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**From:** Rotstein, David </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0A3B17EBFCF14A6CB8E94F322906BADD-DROTSTEI>  
**To:** Carey, Lauren; Ceric, Olgica; Glover, Mark; Jones, Jennifer L; Nemser, Sarah; Palmer, Lee Anne; Peloquin, Sarah; Queen, Jackie L; Rotstein, David  
**Sent:** 2/25/2019 11:19:34 AM  
**Subject:** DCM 1 of 2 - Freeman Reports ONLY- 2/25/2019 0615  
**Attachments:** Acana: Lisa Freeman - EON-380708; Earthborn Coastal Catch dry: Lisa Freeman - EON-380720; Fromm Large Breed Adult dry: Lisa Freeman - EON-380709; Poulin Pro Form Lamb and Rice Adult Maintenance Dry: Lisa Freeman - EON-380706; Purina One Smart Blend Lamb and Rice dry: Lisa Freeman - EON-380707; Solid Gold Mighty Mini Beef: Lisa Freeman - EON-380716; Taste of the Wild Sierra Mountain Dry: Lisa Freeman - EON-380714

David Rotstein, DVM, MPVM, Dipl. ACVP  
CVM Vet-LIRN Liaison  
CVM OSC/DC/CERT  
7519 Standish Place

**B6**

(BB)



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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification;  
**Sent:** 2/24/2019 10:08:57 PM  
**Subject:** Acana: Lisa Freeman - EON-380708  
**Attachments:** 2063115-report.pdf; 2063115-attachments.zip

**B6**

A PFR Report has been received and PFR Event [EON-380708] has been created in the EON System.

A "PDF" report by name "2063115-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2063115-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-380708

**ICSR #:** 2063115

**EON Title:** PFR Event created for Acana Natural Balance Petcurean (see diet history for additional details); 2063115

<b>AE Date</b>	<b>B6</b>	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Terrier - Bull - American Pit		
<b>Age</b>	<b>B6</b> Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2063115

**Product Group:** Pet Food

**Product Name:** Acana, Natural Balance, Petcurean (see diet history for additional details)

**Description:** DCM and CHF diagnosed **B6** Eating multiple BEG diets Taurine and troponin pending Dog changed to Purina HA vegetarian dry while in hospital and owner has continued this. Will try switching to Pro Plan Sensitive Skin and Stomach Salmon when bag of HA runs out. If she tolerates that, will stay on it. If not, will switch back to HA since she's done well on that.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Acana, Natural Balance, Petcurean (see diet history for additional details)		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6** USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

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Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to [FDAREportableFoods@fda.hhs.gov](mailto:FDAREportableFoods@fda.hhs.gov) immediately.

**Report Details - EON-380708**

ICSR: 2063115  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-02-24 17:00:13 EST

**Reported Problem:**

**Problem Description:** DCM and CHF diagnosed. **B6** Eating multiple BEG diets Taurine and troponin pending Dog changed to Purina HA vegetarian dry while in hospital and owner has continued this. Will try switching to Pro Plan Sensitive Skin and Stomach Salmon when bag of HA runs out. If she tolerates that, will stay on it. If not, will switch back to HA since she's done well on that.

**Date Problem Started:** **B6**

**Concurrent Medical Problem:** Yes

**Pre Existing Conditions:** Diarrhea would develop 2-3 weeks after starting a new food. Owner rotated foods to try to avoid this.

**Outcome to Date:** Stable

**Product Information:**

**Product Name:** Acana, Natural Balance, Petcurean (see diet history for additional details)

**Product Type:** Pet Food

**Lot Number:**

**Package Type:** BAG

**Product Use Information:** **Description:** Please see diet history for more info ("Natural Products" written on diet history form is "Natural Balance")

**Manufacturer /Distributor Information:**

**Purchase Location Information:**

**Animal Information:**

**Name:** **B6**

**Type Of Species:** Dog

**Type Of Breed:** Terrier - Bull - American Pit

**Gender:** Female

**Reproductive Status:** Neutered

**Weight:** 18 Kilogram

**Age:** **B6** Years

**Assessment of Prior Health:** Excellent

**Number of Animals Given the Product:** 1

**Number of Animals Reacted:** 1

**Owner Information:** **Owner Information provided:** Yes

**Contact:** **Name:** **B6**  
**Phone:** **B6**  
**Email:** **B6**

**Address:** **B6**  
 United States

**Healthcare Professional Information:** **Practice Name:** Tufts Cummings School of Veterinary Medicine

		<b>Contact:</b>	<b>Name:</b> Lisa Freeman
			<b>Phone:</b> (508) 887-4523
			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	rpt_medical_record_preview.pdf	
	<b>Description:</b>	Medical records	
	<b>Type:</b>	Medical Records	

**All Medical Records**

Client: **B6**  
Address: **B6**

Patient: **B6**  
Breed: Pit Bull  
DOB: **B6**

Species: Canine  
Sex: Female  
(Spayed)

Home Phone: **B6**  
Work Phone: ( ) -  
Cell Phone: ( ) -

**Referring Information**

**B6**

Client: **B6**  
Patient: **B6**

**Initial Complaint:**

Emergency

SOAP Text **B6** 9:00AM **B6**

**Subjective**

NEW VISIT (ER)

Doctor: **B6**  
Student: **B6** V'20

Presenting complaint: CHF  
Referral visit? integrative animal health in bolton  
Diagnostics completed prior to visit: rads  
Chest x-rays (at rDVM) - in ER email

**HISTORY:**

Signalment: 5yo FS Pitbull

Current history:

Coughing 2-3 weeks ago - after physical exercise gotten worse after any exercise, hacking some fluid a little productive, labored breathing, low energy. still eating/drinking, normal bathroom, no v/d. lost weight, looking skinny.

Prior medical history: allergies

Current medications: none

Diet: dry. 2 cups a day (o unsure exactly which diet - rotates through 4 different types of food)

Vaccination status/flea & tick preventative use: UTD, no heartworm preventative or flea/tick

Client: **B6**  
Patient: **B6**

Travel history: none

EXAM:

**B6**

**ASSESSMENT:**

A1: Congestive heart failure r/o secondary to DCM vs other

**PLAN:**

Diagnostics:

**B6**

- Chest x-rays (at rDVM) - in ER email
  - Diffuse interstitial pattern bilaterally, pulmonary vessels not easily visible. Severe cardiomegaly with left mainstem bronchi compression and trachea is dorsally deviated.

Treatments/monitoring:

**B6**

- Diet: HA or ZD only

Client communication:

**B6**

Deposit & estimate status: **B6**



Client: B6

Patient: B6

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Resuscitation code (if admitting to ICU): yellow

SOAP approved (DVM to sign): B6 DVM

SOAP Text B6 9:49AM - B6

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DUPLICATE. IGNORE.

SOAP Text B6 10:25AM - B6

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B6

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Signalment: 5yo FS Pitbull presenting for biventricular heart failure due to DCM, respiratory distress. Day 1 of hospitalization

Presenting history:

Coughing 2-3 weeks ago - after physical exercise gotten worse after any exercise, hacking some fluid a little productive, labored breathing, low energy. still eating/drinking, normal bathroom, no v/d. lost weight, looking skinny to the owner.

Prior medical history: allergies

Current medications: none

Diet: dry. 2 cups a day (o unsure exactly which diet - rotates through 4 different types of food)- brought in samples to fill out forms for the diet study she is enrolled in.

Vaccination status/flea & tick preventative use: UTD, no heartworm preventative or flea/tick

Travel history: none

EXAM:

B6

ASSESSMENT:

A1: Congestive heart failure r/o secondary to DCM vs other

Client: B6

Patient: B6

Diagnostics performed B6

**B6**

- Chest x-rays (at rDVM) - in ER email

- Diffuse interstitial pattern bilaterally, pulmonary vessels not easily visible. Severe cardiomegaly with left mainstem bronchi compression and trachea is dorsally deviated.

Diagnostics performed B6

**B6**

**PLAN:**

Treatments/monitoring:

**B6**

- Diet: HA or ZD only

**B6**

-recheck Echo for diet study

-recheck chemistry

-continue in diet study

Deposit & estimate status B6

Resuscitation code (if admitting to ICU): yellow

SOAP approved (DVM to sign): B6 DVM

SOAP Text B6 11:55AM - B6

Signalment: 5yo FS Pitbull presenting for biventricular heart failure due to DCM, respiratory distress. Day 1 of hospitalization

Presenting history:

Coughing 2-3 weeks ago - after physical exercise gotten worse after any exercise, hacking some fluid a little productive, labored breathing, low energy. still eating/drinking, normal bathroom, no v/d. lost weight, looking skinny to the owner.

Prior medical history: allergies

Current medications: none

Diet: dry. 2 cups a day (o unsure exactly which diet - rotates through 4 different types of food)- brought in samples to fill out forms for the diet study she is enrolled in.

Vaccination status/flea & tick preventative use: UTD, no heartworm preventative or flea/tick

Travel history: none

Overnight update:

Very bright, RR 24-36, eating well and passing urine frequently.

**Subjective**

Client: B6  
Patient: B6

EXAM, GENERAL

B6

**ASSESSMENT:**

A1: Dilated Cardiomyopathy

Diagnostics performed B6

B6

- Chest x-rays (at rDVM) - in ER email
  - Diffuse interstitial pattern bilaterally, pulmonary vessels not easily visible. Severe cardiomegaly with left mainstem bronchi compression and trachea is dorsally deviated.

Diagnostics performed B6

B6

Plan:

- NOVA
- TGH
- Recheckk with cardio in one week.

SOAP completed by: B6 BVSc

**Initial Complaint:**

Recheck - B6 - DCM Study

Client: [B6]

Patient: [B6]

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SOAP Text [B6] 1:53PM [B6]

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**Disposition/Recommendations**

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Client: **B6**  
Patient: **B6**

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Client: **B6**  
 Patient: **B6**

**Cummings**  
**Veterinary Medical Center**  
 AT TUFTS UNIVERSITY

**Foster Hospital for Small Animals**

55 Willard Street  
 North Grafton, MA 01536  
 (508) 839-5395

Client: **B6**  
 Veterinarian:  
 Patient ID: **B6**  
 Visit ID:

Patient: **B6**  
 Species: Canine  
 Breed: Pit Bull  
 Sex: Female (Spayed)  
 Age: **B6** Years Old

**Lab Results Report**

**Nova Full Panel-ICU**      **B6** 9:28:25 AM      Accession ID: **B6**

Test	Results	Reference Range	Units
SO2%	<b>B6</b>	94 - 100	%
HCT (POC)		38 - 48	%
HB (POC)		12.6 - 16	g/dL
NA (POC)		140 - 154	mmol/L
K (POC)		3.6 - 4.8	mmol/L
CL(POC)		109 - 120	mmol/L
CA (ionized)		1.17 - 1.38	mmol/L
MG (POC)		0.1 - 0.4	mmol/L
GLUCOSE (POC)		80 - 120	mg/dL
LACTATE		0 - 2	mmol/L
BUN (POC)		12 - 28	mg/dL
CREAT (POC)		0.2 - 2.1	mg/dL
TCO2 (POC)		0 - 0	mmol/L
nCA		0 - 0	mmol/L
nMG		0 - 0	mmol/L
GAP		0 - 0	mmol/L
CA/MG		0 - 0	mol/mol
BEeef		0 - 0	mmol/L
BEb	0 - 0	mmol/L	
A	0 - 0	mmHg	
NOVA SAMPLE		0 - 0	



Client: B6

Patient: B6

FiO2		0 - 0	%
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
PH		7.337 - 7.467	
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
HCO3		18 - 24	mmol/L

**Nova Full Panel-ICU**      **B6**      **9:36:03 AM**      **Accession ID: B6**

Test	Results	Reference Range	Units
Blood Glucose (Glucometer) - FHSA	B6	0 - 0	mg/dl

**Nova Full Panel-ICU**      **B6**      **9:56:38 AM**      **Accession ID: B6**

Test	Results	Reference Range	Units
TS (FHSA)		0 - 0	g/dl
PCV **	B6	0 - 0	%
TS (FHSA)		0 - 0	g/dl

**Nova Full Panel-ICU**      **B6**      **10:12:18 AM**      **Accession ID: B6**

Test	Results	Reference Range	Units
GLUCOSE		67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
T. PROTEIN		5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM	B6	140 - 150	mEq/L
CHLORIDE		106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CHOLESTEROL		82 - 355	mg/dL
OSMOLALITY (CALCULATED)		291 - 315	mmol/L

**Nova Full Panel-ICU**      **B6**      **9:19:25 AM**      **Accession ID: B6**

Test	Results	Reference Range	Units
SO2%	B6	94 - 100	%
HCT (POC)		38 - 48	%



Client: **B6**  
 Patient: **B6**

HB (POC)		12.6 - 16	g/dL
NA (POC)		140 - 154	mmol/L
K (POC)		3.6 - 4.8	mmol/L
CL(POC)		109 - 120	mmol/L
CA (ionized)		1.17 - 1.38	mmol/L
MG (POC)		0.1 - 0.4	mmol/L
GLUCOSE (POC)		80 - 120	mg/dL
LACTATE		0 - 2	mmol/L
BUN (POC)		12 - 28	mg/dL
CREAT (POC)		0.2 - 2.1	mg/dL
TCO2 (POC)		0 - 0	mmol/L
nCA		0 - 0	mmol/L
nMG		0 - 0	mmol/L
GAP		0 - 0	mmol/L
CA/MG		0 - 0	mol/mol
BEeef		0 - 0	mmol/L
BEb		0 - 0	mmol/L
A		0 - 0	mmHg
NOVA SAMPLE		0 - 0	
FiO2	(m air)	0 - 0	%
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
PH		7.337 - 7.467	
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
HCO3		18 - 24	mmol/L

**B6**

**Nova Full Panel-ICU** **B6** 9:27:23 AM **Accession ID:** **B6**

Test	Results	Reference Range	Units
TS (FHSA)	<b>B6</b>	0 - 0	g/dl
PCV **	<b>B6</b>	0 - 0	%
TS (FHSA)	<b>B6</b>	0 - 0	g/dl



10/46

**B6**

**B6**

Printed Sunday, February 24, 2019

**Vitals Results**

<b>B6</b>	9:09:11 AM	Weight (kg)	<b>B6</b>
	9:09:38 AM	Notes	
	9:10:28 AM	Lasix treatment note	
	9:45:06 AM	Lasix treatment note	
	10:45:50 AM	Lasix treatment note	



Client: **B6**  
Patient: **B6**

**Vitals Results**

11:21:04 AM	FiO2 (%)
11:21:11 AM	Respiratory Rate
11:21:41 AM	Nursing note
12:19:43 PM	Nursing note
12:37:05 PM	Quantify IV Fluids (CRI) in mls
12:37:06 PM	Catheter Assessment
12:37:44 PM	FiO2 (%)
12:38:25 PM	Respiratory Rate
12:39:49 PM	Heart Rate (/min)
1:47:10 PM	Eliminations
1:48:12 PM	FiO2 (%)
2:01:58 PM	FiO2 (%)
2:02:58 PM	Heart Rate (/min)
2:06:40 PM	Respiratory Rate
2:07:31 PM	Quantify IV Fluids (CRI) in mls
2:07:32 PM	Catheter Assessment
2:11:44 PM	Lasix treatment note
<b>B6</b> 3:19:35 PM	Nursing note
3:20:12 PM	Respiratory Rate
3:20:33 PM	FiO2 (%)
3:20:55 PM	Quantify IV Fluids (CRI) in mls
3:45:02 PM	Quantify IV Fluids (CRI) in mls
3:45:03 PM	Catheter Assessment
4:07:19 PM	FiO2 (%)
4:07:46 PM	Respiratory Rate
4:09:20 PM	Eliminations
4:18:29 PM	Heart Rate (/min)
4:18:40 PM	Quantify IV Fluids (CRI) in mls
4:18:41 PM	Catheter Assessment
5:12:04 PM	Respiratory Rate
5:12:14 PM	FiO2 (%)
5:13:48 PM	Eliminations
5:17:48 PM	Amount eaten
5:19:29 PM	Heart Rate (/min)
5:19:47 PM	FiO2 (%)
5:26:16 PM	Lasix treatment note
5:47:32 PM	Respiratory Rate

**B6**

Client: **B6**  
Patient: **B6**

**Vitals Results**

5:47:46 PM	Quantify IV Fluids (CRI) in mls
5:47:47 PM	Catheter Assessment
6:01:17 PM	Eliminations
6:54:17 PM	FiO2 (%)
6:54:24 PM	Respiratory Rate
7:11:55 PM	Heart Rate (/min)
7:12:08 PM	Temperature (F)
7:44:34 PM	FiO2 (%)
7:44:43 PM	Quantify IV Fluids (CRI) in mls
7:44:44 PM	Catheter Assessment
7:45:08 PM	Respiratory Rate
9:03:32 PM	FiO2 (%)
9:03:41 PM	Respiratory Rate
9:17:37 PM	Weight (kg)
9:18:17 PM	Heart Rate (/min)
9:19:05 PM	Quantify IV Fluids (CRI) in mls
9:19:06 PM	Catheter Assessment
9:19:42 PM	Eliminations
9:21:04 PM	Lasix treatment note
9:45:41 PM	Respiratory Rate
9:45:54 PM	FiO2 (%)
10:49:36 PM	Respiratory Rate
10:50:01 PM	FiO2 (%)
11:31:31 PM	Quantify IV Fluids (CRI) in mls
11:31:32 PM	Catheter Assessment
11:32:09 PM	Heart Rate (/min)
11:46:46 PM	Respiratory Rate
11:47:01 PM	FiO2 (%)
12:46:34 AM	FiO2 (%)
12:46:44 AM	Respiratory Rate
1:07:50 AM	Eliminations
1:38:01 AM	Quantify IV Fluids (CRI) in mls
1:38:02 AM	Catheter Assessment
1:39:26 AM	Heart Rate (/min)
1:56:06 AM	FiO2 (%)
1:56:16 AM	Respiratory Rate
3:06:11 AM	FiO2 (%)
3:06:25 AM	Respiratory Rate
3:12:19 AM	Lasix treatment note
3:12:37 AM	Quantify IV Fluids (CRI) in mls
3:12:38 AM	Catheter Assessment

**B6**

**B6**

Client: B6  
Patient: B6

**Vitals Results**

4:06:40 AM	Respiratory Rate
4:07:00 AM	FiO2 (%)
4:07:08 AM	Heart Rate (/min)
4:49:25 AM	FiO2 (%)
4:49:37 AM	Respiratory Rate
4:52:42 AM	Eliminations
4:59:34 AM	Amount eaten
5:24:06 AM	Nursing note
5:24:55 AM	Heart Rate (/min)
5:45:41 AM	Respiratory Rate
5:45:53 AM	FiO2 (%)
6:44:05 AM	FiO2 (%)
6:44:44 AM	Respiratory Rate
7:57:10 AM	Respiratory Rate
7:57:26 AM	FiO2 (%)
7:59:14 AM	Nursing note
8:02:34 AM	Heart Rate (/min)
8:05:21 AM	Temperature (F)
8:08:24 AM	Lasix treatment note
8:14:38 AM	Weight (kg)
8:16:10 AM	Eliminations
9:02:29 AM	FiO2 (%)
9:03:17 AM	Respiratory Rate
10:02:20 AM	FiO2 (%)
10:04:29 AM	Heart Rate (/min)
10:08:31 AM	Respiratory Rate
10:59:22 AM	FiO2 (%)
10:59:52 AM	Respiratory Rate
11:47:25 AM	FiO2 (%)
11:47:53 AM	Respiratory Rate
11:53:10 AM	Heart Rate (/min)
11:53:48 AM	Eliminations
12:59:52 PM	FiO2 (%)
1:00:37 PM	Respiratory Rate
2:17:38 PM	Respiratory Rate
2:17:51 PM	Heart Rate (/min)
2:22:20 PM	Lasix treatment note
2:59:31 PM	Respiratory Rate
3:30:08 PM	Heart Rate (/min)
3:52:22 PM	Respiratory Rate
4:58:59 PM	Respiratory Rate

**B6**

**B6**

Client: B6  
Patient: B6

**Vitals Results**

5:16:42 PM	Amount eaten
5:17:09 PM	Eliminations
5:28:18 PM	Heart Rate (/min)
6:03:04 PM	Respiratory Rate
6:54:20 PM	Respiratory Rate
6:56:33 PM	Weight (kg)
7:20:10 PM	Temperature (F)
7:20:22 PM	Heart Rate (/min)
7:56:01 PM	Respiratory Rate
8:17:54 PM	Eliminations
9:00:37 PM	Respiratory Rate
9:15:46 PM	Heart Rate (/min)
9:41:52 PM	Respiratory Rate
9:43:34 PM	Lasix treatment note
10:40:52 PM	Respiratory Rate
11:31:23 PM	Heart Rate (/min)
11:31:28 PM	Respiratory Rate
12:28:12 AM	Respiratory Rate
1:05:10 AM	Eliminations
1:12:38 AM	Heart Rate (/min)
1:12:45 AM	Respiratory Rate
2:47:00 AM	Respiratory Rate
3:16:57 AM	Heart Rate (/min)
3:37:24 AM	Respiratory Rate
4:23:24 AM	Respiratory Rate
5:36:11 AM	Amount eaten
5:36:20 AM	Heart Rate (/min)
5:36:27 AM	Respiratory Rate
5:40:28 AM	Lasix treatment note
5:59:29 AM	Eliminations
6:21:11 AM	Eliminations
6:51:01 AM	Respiratory Rate
7:42:21 AM	Weight (kg)
8:08:18 AM	Temperature (F)
8:08:28 AM	Respiratory Rate
8:08:42 AM	Heart Rate (/min)
9:06:23 AM	Eliminations
9:07:04 AM	Respiratory Rate

**B6**

**B6**

Client: **B6**  
Patient:

**Vitals Results**

<b>B6</b>	9:20:15 AM	Catheter Assessment
	10:02:30 AM	Heart Rate (/min)
	10:02:36 AM	Respiratory Rate
	10:02:52 AM	Eliminations
	11:09:18 AM	Respiratory Rate
	12:17:30 PM	Respiratory Rate
	12:17:40 PM	Heart Rate (/min)
	12:17:48 PM	Eliminations
	1:05:31 PM	Respiratory Rate
	1:36:34 PM	Catheter Assessment
	1:36:42 PM	Respiratory Rate
	1:36:58 PM	Heart Rate (/min)
	1:25:45 PM	Weight (kg)
	1:53:45 PM	Lasix treatment note

**B6**

**Patient History**

<b>B6</b>	09:09 AM	Vitals
	09:09 AM	Vitals
	09:09 AM	Purchase
	09:10 AM	Purchase
	09:10 AM	Purchase
	09:10 AM	Vitals
	09:28 AM	Purchase
	09:36 AM	Labwork
	09:45 AM	Vitals
	09:55 AM	Treatment
	09:56 AM	Labwork
	09:57 AM	Treatment
	10:04 AM	Prescription
	10:08 AM	Prescription
	10:45 AM	Vitals
	10:55 AM	Treatment
	11:21 AM	Treatment
	11:21 AM	Vitals
	11:21 AM	Treatment
	11:21 AM	Vitals
11:21 AM	Vitals	
11:23 AM	Purchase	
11:23 AM	Purchase	

**B6**

Client:  
Patient:

**B6**

**Patient History**

11:42 AM	UserForm
11:54 AM	Treatment
11:56 AM	Purchase
11:56 AM	Purchase
12:19 PM	Vitals
12:37 PM	Treatment
12:37 PM	Vitals
12:37 PM	Vitals
12:37 PM	Vitals
12:37 PM	Treatment
12:37 PM	Vitals
12:38 PM	Treatment
12:38 PM	Vitals
12:39 PM	Treatment
12:39 PM	Vitals
01:47 PM	Treatment
01:47 PM	Vitals
01:48 PM	Treatment
01:48 PM	Vitals
02:01 PM	Treatment
02:01 PM	Vitals
02:02 PM	Treatment
02:02 PM	Vitals
02:06 PM	Treatment
02:06 PM	Treatment
02:06 PM	Vitals
02:06 PM	Treatment
02:07 PM	Treatment
02:07 PM	Vitals
02:07 PM	Vitals
02:11 PM	Vitals
02:11 PM	Treatment
03:19 PM	Vitals
03:20 PM	Treatment
03:20 PM	Vitals
03:20 PM	Treatment
03:20 PM	Vitals

**B6**

**B6**

Client:  
Patient:

**B6**

**Patient History**

03:20 PM	Vitals
03:22 PM	Treatment
03:23 PM	Treatment
03:45 PM	Treatment
03:45 PM	Vitals
03:45 PM	Vitals
04:07 PM	Treatment
04:07 PM	Vitals
04:07 PM	Treatment
04:07 PM	Vitals
04:09 PM	Vitals
04:18 PM	Treatment
04:18 PM	Vitals
04:18 PM	Treatment
04:18 PM	Vitals
04:18 PM	Vitals
04:38 PM	Purchase
04:39 PM	Purchase
05:12 PM	Treatment
05:12 PM	Vitals
05:12 PM	Treatment
05:12 PM	Vitals
05:12 PM	Treatment
05:13 PM	Treatment
05:13 PM	Vitals
05:17 PM	Treatment
05:17 PM	Treatment
05:17 PM	Vitals
05:18 PM	Treatment
05:19 PM	Treatment
05:19 PM	Vitals
05:19 PM	Treatment
05:19 PM	Vitals
05:26 PM	Vitals
05:27 PM	Treatment
05:47 PM	Treatment
05:47 PM	Vitals
05:47 PM	Treatment
05:47 PM	Vitals

**B6**

**B6**

Client:  
Patient:

**B6**

**Patient History**

05:47 PM	Vitals
06:01 PM	Vitals
06:54 PM	Treatment
06:54 PM	Vitals
06:54 PM	Treatment
06:54 PM	Vitals
07:11 PM	Treatment
07:11 PM	Vitals
07:12 PM	Treatment
07:12 PM	Vitals
07:44 PM	Treatment
07:44 PM	Vitals
07:44 PM	Treatment
07:44 PM	Vitals
07:44 PM	Vitals
07:45 PM	Treatment
07:45 PM	Vitals
09:03 PM	Treatment
09:03 PM	Vitals
09:03 PM	Treatment
09:03 PM	Vitals
09:04 PM	Treatment
09:17 PM	Treatment
09:17 PM	Vitals
09:18 PM	Treatment
09:18 PM	Vitals
09:19 PM	Treatment
09:19 PM	Vitals
09:19 PM	Vitals
09:19 PM	Treatment
09:19 PM	Vitals
09:21 PM	Vitals
09:21 PM	Treatment
09:45 PM	Treatment
09:45 PM	Vitals
09:45 PM	Treatment
09:45 PM	Vitals
10:49 PM	Treatment
10:49 PM	Vitals
10:50 PM	Treatment
10:50 PM	Vitals

**B6**

**B6**



Client:  
Patient:

**B6**

**Patient History**

11:07 PM	Purchase
11:31 PM	Treatment
11:31 PM	Vitals
11:31 PM	Vitals
11:32 PM	Treatment
11:32 PM	Vitals
11:46 PM	Treatment
11:46 PM	Vitals
11:47 PM	Treatment
11:47 PM	Vitals
12:46 AM	Treatment
12:46 AM	Vitals
12:46 AM	Treatment
12:46 AM	Vitals
01:04 AM	Treatment
01:07 AM	Treatment
01:07 AM	Vitals
01:08 AM	Treatment
01:38 AM	Treatment
01:38 AM	Vitals
01:38 AM	Vitals
01:39 AM	Treatment
01:39 AM	Vitals
01:56 AM	Treatment
01:56 AM	Vitals
01:56 AM	Treatment
01:56 AM	Vitals
03:06 AM	Treatment
03:06 AM	Vitals
03:06 AM	Treatment
03:06 AM	Vitals
03:12 AM	Vitals
03:12 AM	Treatment
03:12 AM	Treatment
03:12 AM	Vitals
03:12 AM	Vitals
04:06 AM	Treatment
04:06 AM	Vitals
04:07 AM	Treatment

**B6**

**B6**

Client: **B6**  
Patient:

**Patient History**

<b>B6</b>	04:07 AM	Vitals	<b>B6</b>
	04:07 AM	Treatment	
	04:07 AM	Vitals	
	04:49 AM	Treatment	
	04:49 AM	Vitals	
	04:49 AM	Treatment	
	04:49 AM	Vitals	
	04:52 AM	Treatment	
	04:52 AM	Vitals	
	04:53 AM	Treatment	
	04:59 AM	Treatment	
	04:59 AM	Vitals	
	05:00 AM	Treatment	
	05:24 AM	Vitals	
	05:24 AM	Treatment	
	05:24 AM	Vitals	
	05:45 AM	Treatment	
	05:45 AM	Vitals	
	05:45 AM	Treatment	
	05:45 AM	Vitals	
	06:44 AM	Treatment	
	06:44 AM	Vitals	
	06:44 AM	Treatment	
	06:44 AM	Vitals	
	07:57 AM	Treatment	
	07:57 AM	Vitals	
	07:57 AM	Treatment	
	07:57 AM	Vitals	
	07:59 AM	Vitals	
	08:02 AM	Treatment	
	08:02 AM	Vitals	
	08:05 AM	Treatment	
	08:05 AM	Vitals	
	08:08 AM	Vitals	
	08:08 AM	Treatment	
	08:14 AM	Treatment	
	08:14 AM	Vitals	
	08:16 AM	Vitals	
	09:02 AM	Treatment	
	09:02 AM	Vitals	
09:03 AM	Treatment		
09:03 AM	Vitals		
09:10 AM	Treatment		

Client:  
Patient:

**B6**

**Patient History**

09:10 AM	Treatment
09:14 AM	Treatment
10:02 AM	Treatment
10:02 AM	Vitals
10:04 AM	Treatment
10:04 AM	Vitals
10:08 AM	Treatment
10:08 AM	Vitals
10:12 AM	Purchase
10:13 AM	Treatment
10:59 AM	Treatment
10:59 AM	Vitals
10:59 AM	Treatment
10:59 AM	Vitals
11:05 AM	Purchase
11:05 AM	Purchase
11:30 AM	Purchase
11:45 AM	Deleted Reason
11:47 AM	Treatment
11:47 AM	Vitals
11:47 AM	Treatment
11:47 AM	Vitals
11:53 AM	Treatment
11:53 AM	Vitals
11:53 AM	Vitals
12:59 PM	Treatment
12:59 PM	Vitals
01:00 PM	Treatment
01:00 PM	Vitals
01:01 PM	Treatment
02:13 PM	Treatment
02:17 PM	Treatment
02:17 PM	Vitals
02:17 PM	Treatment
02:17 PM	Vitals
02:22 PM	Vitals
02:22 PM	Treatment
02:59 PM	Treatment
02:59 PM	Vitals
03:30 PM	Treatment
03:30 PM	Vitals

**B6**

**B6**

ig

Client:  
Patient:

**B6**

**Patient History**

03:52 PM	Treatment
03:52 PM	Vitals
04:58 PM	Treatment
04:58 PM	Vitals
05:02 PM	Treatment
05:03 PM	UserForm
05:16 PM	Treatment
05:16 PM	Vitals
05:17 PM	Treatment
05:17 PM	Treatment
05:17 PM	Treatment
05:17 PM	Vitals
05:28 PM	Treatment
05:28 PM	Vitals
06:03 PM	Treatment
06:03 PM	Vitals
06:54 PM	Treatment
06:54 PM	Vitals
06:56 PM	Treatment
06:56 PM	Vitals
07:20 PM	Treatment
07:20 PM	Vitals
07:20 PM	Treatment
07:20 PM	Vitals
07:56 PM	Treatment
07:56 PM	Vitals
08:17 PM	Treatment
08:17 PM	Vitals
09:00 PM	Treatment
09:00 PM	Vitals
09:00 PM	Treatment
09:15 PM	Treatment
09:15 PM	Vitals
09:41 PM	Treatment
09:41 PM	Vitals
09:43 PM	Vitals
09:43 PM	Treatment
10:40 PM	Treatment
10:40 PM	Vitals
11:07 PM	Purchase
11:31 PM	Treatment
11:31 PM	Vitals
11:31 PM	Treatment
11:31 PM	Vitals
12:28 AM	Treatment

**B6**

**B6**

Client:  
Patient:

**B6**

**Patient History**

12:28 AM	Vitals
01:05 AM	Treatment
01:05 AM	Vitals
01:05 AM	Treatment
01:06 AM	Treatment
01:09 AM	Treatment
01:12 AM	Treatment
01:12 AM	Vitals
01:12 AM	Treatment
01:12 AM	Vitals
02:47 AM	Treatment
02:47 AM	Vitals
03:16 AM	Treatment
03:16 AM	Vitals
03:37 AM	Treatment
03:37 AM	Vitals
04:23 AM	Treatment
04:23 AM	Vitals
05:33 AM	Treatment
05:33 AM	Treatment
05:36 AM	Treatment
05:36 AM	Vitals
05:36 AM	Treatment
05:36 AM	Vitals
05:36 AM	Treatment
05:36 AM	Vitals
05:40 AM	Vitals
05:40 AM	Treatment
05:59 AM	Treatment
05:59 AM	Vitals
06:21 AM	Vitals
06:51 AM	Treatment
06:51 AM	Vitals
07:42 AM	Treatment
07:42 AM	Vitals
08:08 AM	Treatment
08:08 AM	Vitals
08:08 AM	Treatment
08:08 AM	Vitals
08:08 AM	Treatment
08:08 AM	Vitals
09:06 AM	Treatment
09:06 AM	Vitals
09:07 AM	Treatment
09:07 AM	Vitals
09:16 AM	Treatment
09:19 AM	Purchase

**B6**

**B6**

Client: **B6**  
Patient:

**Patient History**

09:20 AM	Treatment
09:20 AM	Treatment
09:20 AM	Vitals
09:27 AM	Labwork
10:02 AM	Treatment
10:02 AM	Vitals
10:02 AM	Treatment
10:02 AM	Vitals
10:02 AM	Vitals
11:05 AM	Purchase
11:05 AM	Purchase
11:09 AM	Treatment
11:09 AM	Vitals
11:29 AM	Appointment
12:17 PM	Treatment
12:17 PM	Vitals
12:17 PM	Treatment
12:17 PM	Vitals
12:17 PM	Treatment
12:17 PM	Vitals
01:05 PM	Treatment
01:05 PM	Vitals
01:07 PM	Treatment
01:27 PM	Deleted Reason
01:27 PM	Purchase
01:32 PM	Prescription
01:36 PM	Prescription
01:36 PM	Treatment
01:36 PM	Vitals
01:36 PM	Treatment
01:36 PM	Vitals
01:36 PM	Treatment
01:36 PM	Vitals
02:35 PM	Email
12:59 PM	UserForm
01:22 PM	Treatment
01:23 PM	UserForm
01:25 PM	Vitals
01:37 PM	Purchase
01:38 PM	Purchase
01:53 PM	Vitals
02:20 PM	Prescription

**B6**

**B6**

Client: **B6**  
Patient:

---

**Patient History**

---

<b>B6</b>	02:22 PM	Purchase
	03:19 PM	Appointment
	03:21 PM	Email

**B6**

**Best Available Copy**



**Best Available Copy**

**Best Available Copy**

Discharge Instructions

Patient

Name: B6  
Signalment: B6 Years Old Brown/White Female (Spayed) Pit Bull

Owner

Name:  
Address:

B6

Patient ID: 439571

Emergency Clinician: B6 DVM (Intern - SAM), B6 BVSc (Resident - Emergency and Critical Care)

Consulting Clinician:

ER Supervisor:

B6

Admit Date: B6 8:55:09 AM

Check Out Date: B6

Diagnosis:

1. Congestive Heart Failure: dilated cardiomyopathy

Case Summary: B6 presented to the ER in significant respiratory distress. She was diagnosed with heart failure and required hospitalisation in an oxygen kennel alongside intravenous medications (furosemide, pimobendan, and nitroprusside) to control her breathing. Echocardiography (heart scan) showed that she had a dilated heart, a condition called dilated cardiomyopathy. B6 responded well to treatment and soon started breathing well outside of oxygen. She has done well today and can now go home. B6 must receive all her medications in order to manage her heart condition. It is also very important that she is fed the prescription hypoallergenic food ONLY.

Monitoring at home:

- We would like you to monitor your dog's breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 to 40 breaths per minute. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is minimal if heart failure is controlled.
- An increase in breathing rate or effort will usually mean that you should give an extra dose of furosemide (Lasix). If difficulty breathing is not improved by within 30-60 minutes after giving extra furosemide then we recommend that a recheck exam be scheduled and/or that your dog be evaluated by an emergency clinic.
- There are instructions for monitoring breathing and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

Recommended Medications:

B6

# B6

## Diet suggestions:

B6 should continue to be fed Purina HA dry. She seemed to like that food while in hospital.

Dogs with heart failure accumulate more fluid in their body if they eat large amounts of sodium (salt). Sodium can be found in all foods, but some foods are lower in sodium than others. Many pet treats, people foods, and supplements used to give pills often have more sodium than is desirable - a sheet that has suggestions for low sodium treats can be found on the HeartSmart web site (<http://vet.tufts.edu/heartsmart/diet/>).

Your dog's usual diet may also have more sodium than recommended - we want your dog to continue to eat their normal diet for the first 7 to 14 days so we can make sure they are tolerating medications well. After that time, we would recommend slowly introducing one of the lower sodium diets on the HeartSmart list (25% of the new diet and 75% old diet for 2-3 days, then 50:50, etc.). You can find a diet on the list that your dog likes to eat. Alternatively, if you are attached to the current diet you can research the amount of sodium in the diet to ensure that the sodium content is similar to those on the list.

- The FDA is currently investigating an apparent association between diet and a type of heart disease called dilated cardiomyopathy. The exact cause is still unclear, but it appears to be associated with boutique diets and those containing exotic ingredient or are grain-free. Therefore, we are currently recommending that dogs do not eat these types of diets.
- We recommend switching B6 to commercial diet made by a well-established company that is not grain-free and does not contain any exotic ingredients, such as kangaroo, duck, lamb, venison, lentils, peas, beans, buffalo, tapioca, barley, and chickpeas.
- The FDA issued a statement regarding this issue (<https://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm613305.htm>) and a recent article published by Dr. Lisa Freeman on the Cummings School's Petfoodology blog can further explain these findings (<http://vetnutrition.tufts.edu/2018/06/a-broken-heart-risk-of-heart-disease-in-boutique-or-grain-free-diets-and-exotic-ingredients/>).
- Our nutritionists have compiled a list of dog foods that are good options for dogs with heart disease.

If your dog has special nutritional needs or requires a homecooked diet, we recommend you schedule an appointment with our nutritionists (508-887-4696).

## Exercise Recommendations:

For the first 7 to 10 days after starting medications for heart failure, we recommend very limited activity. Leash walking only is ideal, and short walks to start. Once the heart failure is better controlled, then slightly longer walks are acceptable. However, if you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high-energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

## Recheck/Follow-up:

A recheck exam has been scheduled for

Friday, February 22, 2019 at 1:00pm with B6

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY  
Cardiology Liaison: 508-887-4696

**B6**

Patient ID: B6

Elsa Canine

B6 Years Old Female (Spayed) Pit Bull  
Brown/White BW: Weight (kg) 19.00

## Cardiology Consultation ENROLLED IN DCM STUDY

Date: B6

Weight: Weight (kg) 19.00

Requesting Clinician: B6 (ern - SAM)

Attending Cardiologist:

**B6**

Cardiology Resident:

**B6**

Thoracic radiographs available for review?

- Yes - in ER email
- Yes - in PACS
- No

Patient location: ER

Presenting complaint and important concurrent diseases: Dyspnea

**\*STOP - remainder of form to be filled out by Cardiology\***

Physical Examination

**B6**

Muscle condition:

- Normal
- Mild muscle loss
- Moderate cachexia
- Marked cachexia

Cardiovascular Physical Exam

Murmur Grade:

- None
- I/VI
- IV/VI
- V/VI

- II/VI
- III/VI

- VI/VI

Murmur location/description: left apical systolic (animal panting, difficult auscultation)

Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck
- Top 2/3 of the neck
- 1/2 way up the neck

Arterial pulses:

- Weak vs.
- Fair at most
- Good
- Strong
- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other (describe):

Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats
- Bradycardia
- Tachycardia

Gallop:

- Yes
- No
- Intermittent
- Pronounced
- Other:

Pulmonary assessments:

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds
- Pulmonary Crackles
- Wheezes
- Upper airway stridor
- Other auscultatory findings:

Abdominal exam:

- Normal
- Hepatomegaly
- Abdominal distension
- Mild ascites

### **Echocardiogram Findings:**

**General/2-D findings:** *\*brief exam as patient got more dyspneic during exam\**

LV walls are normal in thickness and LV contractile function is markedly decreased with severe LA enlargement. MV is thickened. RH is markedly dilated, TV is thickened and anterior leaflet looks longer than the posterior one. TV annulus is not apical displaced. Trace pericardial effusion. PA is bigger than the aorta. Tried to get an RVOT view, could not as P got worse. Could not see nor evidence of PDA, PS, neither heard a continuous murmur.

**Doppler findings:**

3+ TR, PG 71mmHg, without RA pressure;  
2+ MR, jet centrally directed.

**Mitral inflow:** not assessed

- Summated
- Normal
- Pseudonormal
- Restrictive

Delayed relaxation

**Blood Pressure (mmHg):** recommended

**Radiographic findings:**

Diffuse interstitial pattern bilaterally, pulmonary vessels not easily visible. Severe cardiomegaly with left mainstem bronchi compression and trachea is dorsally deviated.

**Assessment and recommendations:**

**B6**

**Treatment plan:**

**B6**

**Final Diagnosis:** DCM with LCHF; PHTN

**Heart Failure Classification Score:**

ISACHC Classification:

- |                             |  |
|-----------------------------|--|
| <input type="checkbox"/> Ia | <input checked="" type="checkbox"/> IIIa |
| <input type="checkbox"/> Ib | <input type="checkbox"/> IIIb            |
| <input type="checkbox"/> II |  |

ACVIM CHF Classification:

- |                             |                                       |
|-----------------------------|---------------------------------------|
| <input type="checkbox"/> A  | <input checked="" type="checkbox"/> C |
| <input type="checkbox"/> B1 | <input type="checkbox"/> D            |
| <input type="checkbox"/> B2 |                                       |



M-Mode

IVSd	<b>B6</b>	cm
LVIDd		cm
LVPWd		cm
IVSs		cm
LVIDs		cm
LVPWs		cm
EDV(Teich)		ml
ESV(Teich)		ml
EF(Teich)		%
%FS		%
SV(Teich)		ml
Ao Diam		cm
LA Diam		cm
LA/Ao		
Max LA		cm
Time		ms
HR		BPM
CO(Teich)		l/min
CI(Teich)		l/min/m
Ao Diam		cm
LA Diam	cm	
LA/Ao		
EPSS	cm	

M-Mode Normalized

IVSdN	<b>B6</b>	{0.290 - 0.520}
LVIDdN		{1.350 - 1.730} !
LVPWdN		{0.330 - 0.530}
IVSsN		{0.430 - 0.710}
LVIDsN		{0.790 - 1.140} !
LVPWsN		{0.530 - 0.780} !

2D

SA LA	<b>B6</b>	cm
Ao Diam		cm
SA LA / Ao Diam		
IVSd		cm
LVIDd		cm
LVPWd		cm
EDV(Teich)		ml
IVSs		cm
LVIDs		cm
LVPWs		cm
ESV(Teich)		ml
EF(Teich)		%
%FS		%
SV(Teich)		ml
LV Major		cm

LV Minor  
Sphericity Index  
LVld LAX  
LVAd LAX  
LVEDV A-L LAX  
LVEDV MOD LAX  
LVls LAX  
LVAs LAX  
LVESV A-L LAX  
LVESV MOD LAX  
HR  
EF A-L LAX  
LVEF MOD LAX  
SV A-L LAX  
SV MOD LAX  
CO A-L LAX  
CO MOD LAX  
RVIDD  
RVIDS

B6

cm  
  
cm  
cm  
ml  
ml  
cm  
cm  
ml  
ml  
BPM  
%  
%  
ml  
ml  
l/min  
l/min  
cm  
cm

Doppler

MR Vmax  
MR maxPG  
MV E Vel  
MV DecT  
MV Dec Slope  
MV A Vel  
MV E/A Ratio  
E'  
E/E'  
A'  
S'  
IVRT  
AV Vmax  
AV maxPG  
PV Vmax  
PV maxPG  
TR Vmax  
TR maxPG

B6

m/s  
mmHg  
m/s  
ms  
m/s  
m/s  
  
m/s  
  
m/s  
m/s  
ms  
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mmHg  
m/s  
mmHg  
m/s  
mmHg

### Discharge Instructions

**Patient**

Name: B6

Species: Canine

Brown/White Female (Spayed) Pit Bull

Birthdate: B6

**Owner**

Name: B6

Address: B6

Patient ID: 439571

**Attending Cardiologist:**

B6

**Cardiology Resident:**

B6

**Cardiology Technician:**

B6

Student: B6 V19

Admit Date: B6 12:37:33 PM

Discharge Date: B6

**Diagnoses:** Dilated cardiomyopathy (DCM) with congestive heart failure

**Diagnostic test results and findings:**

- o Labwork findings: The labwork results are pending. We will call you with these results.
- o ECG: The ECG did not show any arrhythmias on examination today.

**Case summary:**

Thank you for bringing B6 in for evaluation by the Tufts cardiology department for her recently diagnosed heart disease.

On exam today, B6 was bright and alert. You report that she is doing well at home and her respiratory rate has been between 18-24 when she is sleeping. ECG did not show any arrhythmias. B6 was breathing slightly harder after her exam so she was given one dose of furosemide. We are going to keep her on her current medication regimen and add an ACE inhibitor (enalapril) to reduce the workload on her heart.

**Monitoring at home:**

- o We would like you to continue monitoring B6 breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- o In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 30-34 breaths per minute. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.
- o An increase in breathing rate or effort will usually mean that you should give an extra dose of B6 if difficulty breathing is not improved by within 30-60 minutes after giving extra B6 then we recommend that a recheck exam be scheduled and/or that your dog be evaluated by an emergency clinic.

- o There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- o We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- o If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

#### Recommended Medications:

**B6**

#### Exercise Recommendations:

For the first 7 to 10 days after starting medications for heart failure we recommend very limited activity. Leash walking only is ideal, and short walks to start. Once the heart failure is better controlled, then slightly longer walks are acceptable. However, if you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

#### Recheck Visits:

A recheck has been scheduled for

Monday, May 13, 2019 at 1:00PM with **B6**

Thank you for entrusting us with B6 care. Please contact our Cardiology liaison at (508)-887-4696 or email us at [cardiovet@tufts.edu](mailto:cardiovet@tufts.edu) for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

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#### Prescription Refill Disclaimer:

*For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.*

#### Ordering Food:

*Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.*

**Clinical Trials:**

*Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: [vet.tufts.edu/cvmc/clinical-studies](http://vet.tufts.edu/cvmc/clinical-studies)*

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Case: B6

Owner: B6

Discharge Instructions

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

**B6**

Patient ID: B6

B6 Canine

B6 Years Old Female (Spayed) Pit Bull  
Brown/White

## Cardiology Appointment Report -Patient enrolled in the DCM study-

Date: 2/22/2019

Attending Cardiologist:

**B6**

Cardiology Resident:

B6

Cardiology Technician:

**B6**

Student: B6 V19

Presenting Complaint:

DCM

General Medical History:

Presented to ER for dyspnea B6 On exam, grade II/VI murmur. Echo showed decreased contractility, marked RH dilation, thickened MV and TV, 2+ MR.

O reports doing well at home since discharge

Diet and Supplements:

Prescription purina cardiac diet, eating well  
coconut oil to give medication

Cardiovascular History:

Prior CHF diagnosis? N

Prior heart murmur? Y

Prior ATE? N

Prior arrhythmia? N

Monitoring respiratory rate and effort at home? Yes, once a day, around 18-24

Cough? Coughed a few times last night, otherwise no cough, some sneezing

Shortness of breath or difficulty breathing? No

Syncope or collapse? No

Sudden onset lameness? No

Exercise intolerance? No

**Current Medications Pertinent to CV System:**

**B6**

**Muscle condition:**

- |  |  |
|--|--|
| <input type="checkbox"/> Normal                      | <input type="checkbox"/> Moderate cachexia |
| <input checked="" type="checkbox"/> Mild muscle loss | <input type="checkbox"/> Marked cachexia   |

**Cardiovascular Physical Exam:**

**Murmur Grade:**

- |  |                                |
|--|--------------------------------|
| <input type="checkbox"/> None              | <input type="checkbox"/> IV/VI |
| <input type="checkbox"/> I/VI              | <input type="checkbox"/> V/VI  |
| <input type="checkbox"/> II/VI             | <input type="checkbox"/> VI/VI |
| <input checked="" type="checkbox"/> III/VI |                                |

Murmur location/description: left apical systolic

**Jugular vein:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Bottom 1/3 of the neck | <input type="checkbox"/> 1/2 way up the neck |
| <input type="checkbox"/> Middle 1/3 of the neck            | <input type="checkbox"/> Top 2/3 of the neck |

**Arterial pulses:**

- |  |   |
|--|---|
| <input type="checkbox"/> Weak            | <input type="checkbox"/> Bounding         |
| <input type="checkbox"/> Fair            | <input type="checkbox"/> Pulse deficits   |
| <input checked="" type="checkbox"/> Good | <input type="checkbox"/> Pulsus paradoxus |
| <input type="checkbox"/> Strong          | <input type="checkbox"/> Other:           |

**Arrhythmia:**

- |   |                                      |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> None  | <input type="checkbox"/> Bradycardia |
| <input type="checkbox"/> Sinus arrhythmia | <input type="checkbox"/> Tachycardia |
| <input type="checkbox"/> Premature beats  |                                      |

**Gallop:**

- Yes
- No
- Intermittent
- Pronounced
- Other:

**Pulmonary assessments:**

- Eupneic
- Mild dyspnea with excitement
- Marked dyspnea
- Normal BV sounds
- Pulmonary crackles
- Wheezes
- Upper airway stridor

**Abdominal exam:**

- Normal
- Hepatomegaly
- Abdominal distension
- Mild ascites
- Marked ascites

**Problems:**

DCM - CHF

**Differential Diagnoses:**

Diet-induced DCM vs. primary DCM

**Diagnostic plan:**

- Echocardiogram
- Chemistry profile
- ECG
- Renal profile
- Blood pressure
- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests:

**ECG findings:**

Heart rate: 128bpm

P wave: 0.06s - suggestive of LA enlargement

PR interval: 0.13s

QRS: 0.08s - suggestive of ventricular enlargement

R wave: 4.5mV - suggestive of LV enlargement

R-R interval: 0.48s

QT interval: 0.20s

cQT: 0.24s

ST segment: depressed -0.2mV

T wave: negative (-0.4mV)

MEA: +90 degrees

Interpretation: sinus rhythm with suggestion of LA and LV enlargement. No ventricular or atrial premature beats observed.

**Assessment and recommendations:**

Patient improved since discharge, normal appetite, good energy level and respiratory rate is ~18-20bpm. ACE inhibitor was started today (10mg SID for 3-4 days) and then increase to 10mg in the morning and 5mg in the evening, unless patient does not tolerate this dose or bloodwork performed today reveals any kidney change that may need dose adjustments. Patient will be on hydrolyzed diet (HA) until she's through with current bag and then will try the ProPlan Sensitive Skin and Stomach. If she develops diarrhea on this diet, client is instructed to go back to HA. Recheck scheduled for 3 months, or sooner in



case patient develops clinical signs consistent with worsening of the disease.

**Final Diagnosis:**

DCM - r/o primary vs. diet-induced.

**Heart Failure Classification Score:**

**ISACHC Classification:**

- |  |                               |
|--|-------------------------------|
| <input type="checkbox"/> Ia            | <input type="checkbox"/> IIIa |
| <input type="checkbox"/> Ib            | <input type="checkbox"/> IIIb |
| <input checked="" type="checkbox"/> II |                               |

**ACVIM Classification:**

- |                             |                                       |
|-----------------------------|---------------------------------------|
| <input type="checkbox"/> A  | <input checked="" type="checkbox"/> C |
| <input type="checkbox"/> B1 | <input type="checkbox"/> D            |
| <input type="checkbox"/> B2 |                                       |

**Notice of Patient Admit**

Date: [B6] 8:55:09 AM  
Referring Doctor: [B6]  
Client Name: [B6]  
Patient Name: [B6]

Case No: [B6]

---

Dear [B6]

Your patient presented to our Emergency service. Please make note of the following information to facilitate communication with our team.

The attending doctor is: [B6]  
The reason for admission to the FHSA is: DCM, PHT, CHF

If you have any questions regarding this particular case, please call 508-887-4988 to reach the ECC Service. Information is updated daily, by noon.

Thank you for your referral to our Emergency Service.

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-7951  
<http://vetmed.tufts.edu/>

**B6**

**B6**

Female (Spayed)

Canine, Pit Bull, Brown/White

**B6**

**B6**

Dear **B6**

Thank you for referring **B6** with their pet **B6**

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

**B6** DVM (Resident - Cardiology)

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-7951  
<http://vetmed.tufts.edu/>

**B6**

**B6**

Female (Spayed)

Canine Pit Bull Brown/White

B6

B6

Dear B6

Thank you for referring B6 with their pet B6

B6 presented to the Tufts ER on B6 in significant respiratory distress. She was diagnosed with congestive heart failure secondary to dilated cardiomyopathy (DCM). B6 was stabilised with oxygen therapy, B6

B6 was enrolled into a research project with our Cardiology Service investigating an association between DCM and dogs fed grain free diets. She has done well and was discharged on B6

B6

B6 has a recheck appointment scheduled with B6, Resident in Cardiology, on 2/22/19.

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

B6 BVSc (Resident - Emergency & Critical Care)

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6  
**Sent:** 2/25/2019 12:17:08 AM  
**Subject:** Earthborn Coastal Catch dry: Lisa Freeman - EON-380720  
**Attachments:** 2063120-report.pdf; 2063120-attachments.zip

A PFR Report has been received and PFR Event [EON-380720] has been created in the EON System.

A "PDF" report by name "2063120-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2063120-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-380720

**ICSR #:** 2063120

**EON Title:** PFR Event created for Earthborn Coastal Catch dry; 2063120

<b>AE Date</b>	02/01/2019	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	<span style="border: 1px dashed black; padding: 2px;">B6</span> Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2063120

**Product Group:** Pet Food

**Product Name:** Earthborn Coastal Catch dry

**Description:** Annual RDVM visit identified murmur. Echo done by mobile ultrasonographer showed DCM. We evaluated as part of study 2/1/19 - has DCM Eating BEG diet Changed to Pro Plan Weight management dry and we will recheck in 3 months

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product: 1**

**Number of Animals Reacted With Product: 1**

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Earthborn Coastal Catch dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**  
USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

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**Report Details - EON-380720**

ICSR: 2063120  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-02-24 19:08:40 EST

**Reported Problem:**  
**Problem Description:** Annual RDVM visit identified murmur. Echo done by mobile ultrasonographer showed DCM. We evaluated as part of study 2/1/19 - has DCM Eating BEG diet Changed to Pro Plan Weight management dry and we will recheck in 3 months  
**Date Problem Started:** 02/01/2019  
**Concurrent Medical Problem:** Yes  
**Pre Existing Conditions:** Hot spot 1/14/19; overweight  
**Outcome to Date:** Stable

**Product Information:**  
**Product Name:** Earthborn Coastal Catch dry  
**Product Type:** Pet Food  
**Lot Number:**  
**Package Type:** BAG  
**Product Use Information:** **Description:** Please see diet history for more info  
**Manufacturer /Distributor Information:**  
**Purchase Location Information:**

**Animal Information:**  
**Name:** B6  
**Type Of Species:** Dog  
**Type Of Breed:** Retriever - Golden  
**Gender:** Male  
**Reproductive Status:** Neutered  
**Weight:** 36.3 Kilogram  
**Age:** B6 Years  
**Assessment of Prior Health:** Excellent  
**Number of Animals Given the Product:** 1  
**Number of Animals Reacted:** 1  
**Owner Information:** **Owner Information provided:** Yes  
**Contact:** **Name:** B6  
**Phone:** B6  
**Email:** B6  
**Address:** B6  
 United States  
**Healthcare Professional Information:** **Practice Name:** Tufts Cummings School of Veterinary Medicine  
**Contact:** **Name:** Lisa Freeman  
**Phone:** (508) 887-4523

			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	rpt_medical_record_preview.pdf	
	<b>Description:</b>	Medical records	
	<b>Type:</b>	Medical Records	



All Medical Records

Client: [B6]  
Address: [B6]

Patient: [B6]  
Breed: Golden Retriever  
DOB: [B6]

Species: Canine  
Sex: Male  
(Neutered)

Home Phone: [B6]  
Work Phone: ( ) -  
Cell Phone: [B6]

Referring Information

[B6]

Client: [B6]  
Patient: [B6]

Initial Complaint:

Emergency

SOAP Text [B6] 11:44PM [B6]

[B6] 11:44:47 PM EXAM, GENERAL

Subjective (S)

Dx with tongue abscess at RDVM today - got IV fluids and [B6] owner didn't give [B6] l at home orally). He was seen at RDVM because he was panting and lethargic and had nasal discharge. He was grunting and was not feeling well at home. Wretching at home before presentation. Got bully stick yesterday night. Other owner took stick out of mouth the night before - unsure if he was chewing on it or what. Been slowing down a little past couple months. No breathing difficulty.

Curren meds:

[B6]

Objective (O)

[B6]

Client: **B6**  
Patient: **B6**

Assessment (A)

A1: Severe inspiratory stridor - R/O laryngeal paralysis vs severe caudal oral inflammation (tongue abscess vs mass)

A2: Tongue mass/abscess

A3: Concurrent NSAID and steroid use

Plan (P)

**B6**

Endotracheal intubation attempted - initial attempt failed and when second attempt taken, patient became bradycardic and received 5 ml atropine IV - heart rate responded well except for intermittent VPCs which resolved after 2 minutes. Patient was maintained in iso/O2 and transferred to ICU for monitoring and continued intubation.

Diagnostics:

**B6**

Deposit and estimate: **B6**

SOAP completed by: **B6** DVM

**B6**

SOAP Text: **B6** 6:14PM **B6**

Doctor: **B6** ECC Resident

Presenting complaint:

Panting, nasal discharge, gagging/retching at home

Was at rDVM earlier yesterday, then came here in pm with severe respiratory distress

rDVM tx'd for presumptive tongue abscess with **B6**

intubated here (with difficulty) and maintained on table for several hours before extubating - has breathed well since that time

Diagnostics:

**B6**

Client: **B6**  
Patient: **B6**

---

Treatments

dexSP after intubation due to severe swelling  
atropine during intubation due to bradycardia - responded well  
intubation for several hours

**B6**

Exam:

**B6**

Assessment (A)

A1: upper airway congestion vs. obstruction (lar-par vs. mass effect (abscess vs. neoplasia)

Dx Plan (P)

P1: CXR - poss lesion right caudal lobe, otherwise unremarkable  
P2: FNA of mass (see below) - septic suppurative inflammation

Tx Plan

**B6**

P for tomorrow - CT +/- surgery  
histo pending

Communication Summary:  
See CComm notes

SOAP Text **B6** 8:00AM **B6**

---

Doctor: **B6** ECC Resident

Presenting complaint:

Panting, nasal discharge, gagging/retching at home  
Was at rDVM earlier yesterday, then came here in pm with severe respiratory distress

Client: **B6**  
Patient: **B6**

rDVM tx'd for presumptive tongue abscess with **B6**  
intubated here (with difficulty) and maintained on table for several hours before extubating - has breathed well since that time

Diagnostics

**B6**

Treatments

**B6**

Exam:

**B6**

Assessment (A)

A1: upper airway congestion vs. obstruction (lar-par vs. mass effect (abscess vs. neoplasia)

Plan

P1: CT this am +/- surgery

histo pending

Communication Summary:

See CComm notes

**B6** 10:55:51 AM Anesthesia Notes - breathing well afte extubation. returned to run on heat. T=99.1, rounded with **B6**

**B6**

Client: **B6**  
Patient: **B6**

**B6**

SOAP Text **B6** 10:47AM - **B6**

Doctor: **B6** ECC Resident

Presenting complaint:

Panting, nasal discharge, gagging/retching at home

Was at rDVM, then came here in pm with severe respiratory distress

rDVM tx'd for presumptive tongue abscess with **B6**

intubated here (with difficulty) and maintained on table for several hours before extubating

re-intubated the next day for sedated oral exam

CT yesterday - report from anesthesia is that they could visualize arytenoids

Diagnostics

**B6**

Treatments

dexSP after intubation **B6** due to severe swelling (pre **B6**)

**B6**

Exam:

**B6**

Client: **B6**  
Patient: **B6**

**B6**

Assessment (A)

A1: upper airway congestion vs. obstruction (lar-par vs. mass effect (abscess vs. neoplasia)

Plan

P1: **B6**

P2: sedate as little as possible and try to take outside, see how he does

P3: histo --- >

Communication Summary:

See CComm notes

owner called 08:30 and talked to **B6** - apparently upset about lack of update and didn't understand some concerns. I called her back later - see CComm entry.

**B6**

SOAP Text **B6** 2:59PM - **B6**

Doctor: **B6** ECC Resident

Presenting complaint:

Panting, nasal discharge, gagging/retching at home

Was at rDVM, then came here in pm with severe respiratory distress

rDVM tx'd for presumptive tongue abscess with **B6**

intubated here (with difficulty) and maintained on table for several hours before extubating

re-intubated the next day for sedated oral exam

CT - report from anesthesia is that they could visualize arytenoids

Slow improvement, failed owner visit 6/23 and was re-sedated, settled well

Diagnostics

**B6**

Treatments

Client: **B6**  
Patient: **B6**

**B6**

Assessment (A)

A1: upper airway congestion vs. obstruction (lar-par vs. mass effect (abscess vs. neoplasia)

Plan

**B6**

Communication Summary:

See CComm notes

**B6** 9:14:51 AM

Prescribed **B6**

Instructions - 500 mg PO BID - Expires **B6** No Refills

SOAP Text **B6** 4:06PM - **B6**

Doctor: **B6** ECC Resident

Presenting complaint:

Panting, nasal discharge, gagging/retching at home

Was at rDVM, then came here in pm with severe respiratory distress

rDVM tx'd for presumptive tongue abscess with **B6**

intubated here (with difficulty) and maintained on table for several hours before extubating

re-intubated the next day for sedated oral exam

CT - report from anesthesia is that they could visualize aretynoids

Slow improvement, failed owner visit **B6** and was re-sedated, settled well

Diagnostics

**B6**

Client: **B6**  
Patient:

**B6**

Treatments

Current - IVF at 30 ml/kg/d, eating well, occasional mild sedation **B6**

Exam:

**B6**

Assessment (A)

A1: upper airway congestion vs. obstruction (lar-par vs. mass effect (abscess vs. neoplasia)

Plan

**B6**

Communication Summary:

See CComm notes

SOAP Text **B6** 9:19AM - **B6**

**B6** **B6**

Presenting complaint:

Panting, nasal discharge, gagging/retching at home

Was at rDVM, then came here in pm with severe respiratory distress

rDVM tx'd for presumptive tongue abscess with **B6**



Client: **B6**  
Patient: **B6**

intubated here (with difficulty) and maintained on table for several hours before extubating  
re-intubated the next day for sedated oral exam  
Report from anesthesia is that they could visualize arytenoids  
Slow improvement, failed owner visit **B6** and was re-sedated, settled well

Overnight update: Clinically well, but had a fever of 105.7 at 10PM. resolved with time and IVF bolus.

Diagnostics

**B6**

Treatments

**B6**

Exam:

**B6**

Assessment (A)

A1: upper airway congestion vs. obstruction (lar-par vs. mass effect (abscess vs. neoplasia)

Plan

**B6**

P4: Owner to visit at 4pm, possibly TGH if stable

Client: **B6**  
Patient: **B6**

Communication Summary: **B6** x. if **B6**

**B6**

**Initial Complaint:**

Emergency

SOAP Text **B6** 12:03PM - **B6**

EXAM, GENERAL **B6**

Subjective (S)

9 yr MC Golden - this week lethargic, o' thinks very lethargic yesterday and could have died. Having to encourage him to get up out of bed, doesn't want to do anything, but one day did go for a long walk. Yesterday had episode in afternoon where he was extremely lethargic but recovered later so didn't have evaluated. No V/D, no C/S or oculonasal discharge. No changes in appetite. Full bloodwork 2 weeks ago, noted new murmur grade **B6**, recommended echo which is scheduled for **B6**. O wants sooner.

**B6**

Travel: None.

Objective (O)

**B6**

Client: **B6**  
Patient: **B6**

**B6**

Assessment (A)

A1: Lethargy: diagnosis open

A2: New heart murmur: DMVD vs. DCM vs. other

Plan (P)

**B6**

-Keep scheduled appointment with Cardio for echo

Client communication: Patient presented to ER for hot spot and was placed in exam room to wait due to dog aggression/fear aggression. Met with client - introduced myself and client revealed that she was actually here because

**B6** was displaying extreme lethargy yesterday and she is concerned for cardiac disease, as her vet recently diagnosed a heart murmur and recommended a cardio consult and workup, which is scheduled for February. Client is very concerned that lethargy is cardiac related and wants echo sooner. She describes patient as non responsive and unwilling to get up yesterday, afraid he might die, but did not want to seek care yesterday. He seemed better in the afternoon and went for his normal walk. Explained to client that I am unlikely able to get a cardio consult today for a stable patient, unless we find significant changes on exam such as lung changes or arrhythmia, and again don't suspect that lethargy will be cardiac in origin but need to perform a full exam. Discussed exam findings - normal patient, low grade murmur, warrants workup but not today. Offered recheck bloodwork since done 2 weeks ago but lethargy is new, client declined. Would like treatment for hot spot and will keep cardio appointment.

SOAP completed by **B6** DVM (ECC Resident)

**Initial Complaint:**

Cardiology Recheck - DCM study - will be fasted - fearful dog will be waiting in car

SOAP Text **B6** 1:48PM - Rush, John

**Disposition/Recommendations**

Client:  
Patient:

**B6**

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Client: **B6**  
 Patient: **B6**

**Cummings**  
**Veterinary Medical Center**  
 AT TUFTS UNIVERSITY

**Foster Hospital for Small Animals**

55 Willard Street  
 North Grafton, MA 01536  
 (508) 839-5395

Client: **B6**  
 Veterinarian:  
 Patient ID: **B6**  
 Visit ID:

Patient:	<b>B6</b>
Species:	Canine
Breed:	Golden Retriever
Sex:	Male (Neutered)
Age:	<b>B6</b> Years Old

**Lab Results Report**

**Nova Full Panel-ICU**      **B6** 11:58:25 PM      Accession ID: **B6**

Test	Results	Reference Range	Units
SO2%	<b>B6</b>	94 - 100	%
HCT (POC)		38 - 48	%
HB (POC)		12.6 - 16	g/dL
NA (POC)		140 - 154	mmol/L
K (POC)		3.6 - 4.8	mmol/L
CL(POC)		109 - 120	mmol/L
CA (ionized)		1.17 - 1.38	mmol/L
MG (POC)		0.1 - 0.4	mmol/L
GLUCOSE (POC)		80 - 120	mg/dL
LACTATE		0 - 2	mmol/L
BUN (POC)		12 - 28	mg/dL
CREAT (POC)		0.2 - 2.1	mg/dL
TCO2 (POC)		0 - 0	mmol/L
nCA		0 - 0	mmol/L
nMG		0 - 0	mmol/L
GAP		0 - 0	mmol/L
CA/MG		0 - 0	mol/mol
BEeef		0 - 0	mmol/L
BEb		0 - 0	mmol/L
A		0 - 0	mmHg
NOVA SAMPLE	0 - 0		



Client: **B6**  
 Patient: **B6**

FiO2	<b>B6</b> (room air)	0 - 0	%
PCO2	<b>B6</b>	36 - 44	mmHg
PO2		80 - 100	mmHg
PH		7.337 - 7.467	
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
HCO3		18 - 24	mmol/L

**Nova Full Panel-ICU**      **B6** 12:14:52 AM      Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)	<b>B6</b>	0 - 0	g/dl
PCV **		0 - 0	%
TS (FHSA)		0 - 0	g/dl

**Nova Full Panel-ICU**      **B6** 2:13:12 AM      Accession ID: **B6**

Test	Results	Reference Range	Units
WBC (ADVIA)	<b>B6</b>	4.4 - 15.1	K/uL
RBC(ADVIA)		5.8 - 8.5	M/uL
HGB(ADVIA)		13.3 - 20.5	g/dL
HCT(ADVIA)		39 - 55	%
MCV(ADVIA)		64.5 - 77.5	fL
MCH(ADVIA)		21.3 - 25.9	pg
MCHC(ADVIA)		31.9 - 34.3	g/dL
RDW (ADVIA)		11.9 - 15.2	
PLT(ADVIA)		173 - 486	K/uL
MPV (ADVIA)		8.29 - 13.2	fl
RETIC(ADVIA)		0.2 - 1.6	%
RETICS (ABS) ADVIA		14.7 - 113.7	K/uL
COMMENTS (HEMATOLOGY)		<b>B6</b>	0 - 0

**Nova Full Panel-ICU**      **B6** 2:13:27 AM      Accession ID: **B6**

Test	Results	Reference Range	Units
GLUCOSE	<b>B6</b>	67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
MAGNESIUM 2+		1.8 - 3	mEq/L
T. PROTEIN		5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L



Client: **B6**  
Patient: **B6**

CHLORIDE		106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
ICO2 (BICARB)		14 - 28	mEq/L
AGAP		8 - 19	
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
D.BILIRUBIN		0 - 0.1	mg/dL
I BILIRUBIN		0 - 0.2	mg/dL
ALK PHOS	<b>B6</b>	12 - 127	U/L
GGT		0 - 10	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CK		22 - 422	U/L
CHOLESTEROL		82 - 355	mg/dL
TRIGLYCERIDES		30 - 338	mg/dl
AMYLASE		409 - 1250	U/L
OSMOLALITY (CALCULATED)		291 - 315	mmol/L

**Nova Full Panel-ICU**      **B6**      2:13:10 AM      Accession ID: **B6**

Test	Results	Reference Range	Units
SEGS%		43 - 86	%
LYMPHS%		7 - 47	%
MONOS%		1 - 15	%
EOS%		0 - 16	%
SEGS (AB)ADVIA	<b>B6</b>	2.8 - 11.5	K/uL
LYMPHS (ABS)ADVIA		1 - 4.8	K/uL
MONOS (ABS)ADVIA		0.1 - 1.5	K/uL
EOS (ABS)ADVIA		0 - 1.4	K/uL
WBC MORPHOLOGY		0 - 0	
No Morphologic Abnormalities			
RBC MORPHOLOGY		0 - 0	
See comment(s)			

**B6**

**Nova Full Panel-ICU**      **B6**      12:35:00 PM      Accession ID: **B6**

Test	Results	Reference Range	Units
		0 - 0	

AP results  
CYTOLOGY REPORT

Clinical History:  
Sample Source: Mass (base of tongue)  
Slides Received: 1

15/81      **B6**      **B6**



Printed Sunday, February 24, 2019

Client: **B6**  
Patient: **B6**

**B6**

Comments:

**B6**

Electronically Signed by: **B6** @1:11 PM  
**B6**, DVM, PhD, pathologist  
Diplomate ACVP (Clinical Pathology)

0 - 0

AP results  
CYTOLOGY REPORT

Clinical History:  
Sample Source: Mass (base of tongue)  
Slides Received: 1

**B6**

Comments:

**B6**

Electronically Signed by: **B6** @1:11 PM  
**B6**, DVM, PhD, pathologist  
Diplomate ACVP (Clinical Pathology)

0 - 0

AP results  
CYTOLOGY REPORT

Clinical History:  
Sample Source: Mass (base of tongue)  
Slides Received: 1

**B6**





Client: **B6**  
Patient: **B6**

**B6**

Cytologic Interpretation:  
Septic suppurative inflammation

Comments:

**B6**

Electronically Signed by: **B6** @1:11 PM  
**B6**, DVM, PhD, pathologist  
Diplomat ACVP (Clinical Pathology)

<b>Nova Full Panel-ICU</b>	<b>B6</b>	<b>12:35:00 PM</b>	<b>Accession ID: B6</b>
Test	Results	Reference Range	Units

0 - 0

AP results  
PRELIMINARY BIOPSY REPORT

**B6**

Electronically Signed by: **B6** @3:23 PM  
**B6**, DVM  
Diplomate ACVP (Anatomic Pathology)

0 - 0

AP results  
PRELIMINARY BIOPSY REPORT

**B6**

Electronically Signed by: **B6** @3:23 PM  
**B6**, DVM  
Diplomate ACVP (Anatomic Pathology)

0 - 0

AP results  
PRELIMINARY BIOPSY REPORT



Client: **B6**  
Patient:

**B6**

Electronically Signed by **B6** @3:23 PM  
**B6** DVM  
Diplomate ACVP (Anatomic Pathology)

0 - 0

AP results  
BIOPSY REPORT

Diagnosis:  
Tongue: fibrino suppurative glossitis. Acid fast, GMS and Fite's stains were all negative.

**B6**

Comment:

**B6**

Electronically Signed by **B6** @11:19 AM  
**B6** DVM  
Diplomate ACVP (Anatomic Pathology)

0 - 0

AP results  
BIOPSY REPORT

Diagnosis:  
Tongue: fibrino suppurative glossitis. Acid fast, GMS and Fite's stains were all negative.

**B6**

Gross Description:



18/81

**B6**

**B6**

Printed Sunday, February 24, 2019

Client: **B6**  
Patient: **B6**

**B6**

Electronically Signed by **B6** @11:19 AM  
**B6**, DVM  
Diplomate ACVP (Anatomic Pathology)

0 - 0

AP results  
BIOPSY REPORT

Diagnosis:  
Tongue: fibrino suppurative glossitis. Acid fast, GMS and Fite's stains were all negative.

**B6**

Electronically Signed by **B6** @11:19 AM  
**B6**, DVM  
Diplomate ACVP (Anatomic Pathology)

Nova Full Panel-ICU		<b>B6</b>	11:34:12 AM	Accession ID: <b>B6</b>	
Test	Results	Reference Range	Units		
WBC (ADVIA)	<b>B6</b>	4.4 - 15.1	K/uL		
RBC(ADVIA)		5.8 - 8.5	M/uL		
HGB(ADVIA)		13.3 - 20.5	g/dL		
HCT(ADVIA)		39 - 55	%		
MCV(ADVIA)		64.5 - 77.5	fL		
MCH(ADVIA)		21.3 - 25.9	pg		
MCHC(ADVIA)		31.9 - 34.3	g/dL		
RDW (ADVIA)		11.9 - 15.2			
PLT(ADVIA)		173 - 486	K/uL		
MPV (ADVIA)		8.29 - 13.2	fl		
RETIC(ADVIA)		0.2 - 1.6	%		



Client: **B6**  
Patient:

RETICS (ABS) ADVIA **B6** 14.7 - 113.7 K/uL  
COMMENTS (HEMATOLOGY) 0 - 0

**Nova Full Panel-ICU** **B6** 11:34:10 AM Accession ID: **B6**

Test	Results	Reference Range	Units
SEGS%	<b>B6</b>	43 - 86	%
LYMPIIS%		7 - 47	%
MONOS%		1 - 15	%
EOS%		0 - 16	%
SEGS (AB)ADVIA		2.8 - 11.5	K/uL
LYMPHS (ABS)ADVIA		1 - 4.8	K/uL
MONOS (ABS)ADVIA		0.1 - 1.5	K/uL
EOS (ABS)ADVIA		0 - 1.4	K/uL
WBC MORPHOLOGY		0 - 0	
No Morphologic Abnormalities			
ACANTHOCYTES	<b>B6</b>	0 - 0	
POIKILOCYTOSIS		0 - 0	



20/81

**B6**

**B6**

Printed Sunday, February 24, 2019

**Vitals Results**

<b>B6</b>	12:08:06 AM	Notes	<b>B6</b>
	1:11:50 AM	Respiratory Rate	
	1:14:59 AM	Temperature (F)	
	1:15:05 AM	Heart Rate (/min)	
	1:15:11 AM	Respiratory Rate	
	1:51:23 AM	Weight (kg)	
	2:09:14 AM	Nursing note	
	3:06:54 AM	Respiratory Rate	
	4:08:04 AM	Quantify IV fluids (mls)	
	4:15:21 AM	Notes	
	4:15:37 AM	Heart Rate (/min)	
	4:15:42 AM	Respiratory Rate	
	4:56:54 AM	Respiratory Rate	
	5:29:10 AM	Respiratory Rate	
	5:29:33 AM	Heart Rate (/min)	
	8:00:07 AM	Respiratory Rate	
8:05:00 AM	Quantify IV fluids (mls)		
8:05:46 AM	Heart Rate (/min)		
8:15:57 AM	Notes		

Client:  
Patient:

**B6**

**Vitals Results**

8:42:45 AM	Eliminations
9:05:55 AM	Respiratory Rate
9:56:24 AM	Respiratory Rate
10:20:08 AM	Heart Rate (/min)
10:20:17 AM	Temperature (F)
11:20:32 AM	Respiratory Rate
11:28:48 AM	Quantify IV fluids (mls)
11:29:15 AM	Nursing note
11:57:30 AM	Heart Rate (/min)
11:57:41 AM	Respiratory Rate
1:34:24 PM	Respiratory Rate
1:42:09 PM	Heart Rate (/min)
1:42:15 PM	Respiratory Rate
2:52:19 PM	Respiratory Rate
3:47:24 PM	Quantify IV fluids (mls)
3:49:14 PM	Heart Rate (/min)
3:50:21 PM	Nursing note
3:54:12 PM	Respiratory Rate
4:25:03 PM	Respiratory Rate
4:51:03 PM	Nursing note
5:26:32 PM	Temperature (F)
5:26:51 PM	Heart Rate (/min)
5:53:46 PM	Respiratory Rate
6:53:35 PM	Respiratory Rate
7:02:31 PM	Quantify IV fluids (mls)
7:13:37 PM	Heart Rate (/min)
7:16:53 PM	Amount eaten
7:23:54 PM	Eliminations
7:30:08 PM	Notes
7:59:23 PM	Respiratory Rate
8:58:25 PM	Respiratory Rate
9:18:22 PM	Eliminations
9:30:08 PM	Heart Rate (/min)
9:48:38 PM	Respiratory Rate
10:49:14 PM	Respiratory Rate
11:02:12 PM	Quantify IV fluids (mls)
11:46:39 PM	Heart Rate (/min)
11:46:47 PM	Respiratory Rate

**B6**

**B6**

Client:  
Patient:

**B6**

**Vitals Results**

12:14:17 AM	Nursing note
12:54:08 AM	Respiratory Rate
1:04:11 AM	Heart Rate (/min)
1:04:28 AM	Temperature (F)
1:26:28 AM	Respiratory Rate
2:53:02 AM	Respiratory Rate
3:09:30 AM	Quantify IV fluids (mls)
3:09:56 AM	Heart Rate (/min)
3:10:07 AM	Urine Output (mls)
3:35:40 AM	Respiratory Rate
4:52:22 AM	Respiratory Rate
4:54:33 AM	Heart Rate (/min)
5:53:00 AM	Respiratory Rate
5:53:58 AM	Notes
6:34:23 AM	Respiratory Rate
7:46:42 AM	Quantify IV fluids (mls)
7:47:07 AM	Respiratory Rate
7:54:10 AM	Heart Rate (/min)
7:54:39 AM	Nursing note
9:53:59 AM	Nursing note
10:52:03 AM	Respiratory Rate
10:52:31 AM	Temperature (F)
10:52:39 AM	Heart Rate (/min)
10:53:42 AM	Eliminations
10:55:51 AM	Anesthesia Notes
11:23:11 AM	Quantify IV fluids (mls)
11:26:32 AM	Heart Rate (/min)
11:28:14 AM	Respiratory Rate
11:57:04 AM	Temperature (F)
12:47:32 PM	Respiratory Rate
1:03:39 PM	Eliminations
1:46:43 PM	Heart Rate (/min)
1:46:49 PM	Respiratory Rate
2:51:18 PM	Respiratory Rate
3:23:43 PM	Quantify IV fluids (mls)
3:29:26 PM	Amount eaten

**B6**

**B6**

Client: **B6**  
Patient:

**Vitals Results**

3:32:42 PM	Eliminations
3:34:45 PM	Heart Rate (/min)
3:54:20 PM	Respiratory Rate
3:54:36 PM	Notes
4:00:16 PM	Eliminations
4:32:14 PM	Respiratory Rate
4:53:11 PM	Respiratory Rate
5:31:23 PM	Eliminations
6:02:43 PM	Respiratory Rate
6:03:03 PM	Temperature (F)
6:14:36 PM	Heart Rate (/min)
7:00:35 PM	Respiratory Rate
7:19:26 PM	Eliminations
7:44:00 PM	Eliminations
7:54:57 PM	Respiratory Rate
7:55:15 PM	Heart Rate (/min)
7:56:11 PM	Quantify IV fluids (mls)
8:18:55 PM	Nursing note
9:13:49 PM	Respiratory Rate
10:13:58 PM	Eliminations
10:14:01 PM	Eliminations
10:17:22 PM	Heart Rate (/min)
10:17:29 PM	Respiratory Rate
10:18:11 PM	Amount eaten
10:49:12 PM	Respiratory Rate
12:15:03 AM	Notes
12:16:25 AM	Quantify IV fluids (mls)
12:16:38 AM	Respiratory Rate
12:16:47 AM	Heart Rate (/min)
12:17:44 AM	Notes
12:18:01 AM	Eliminations
12:45:54 AM	Respiratory Rate
1:12:07 AM	Heart Rate (/min)
1:12:20 AM	Temperature (F)
2:07:00 AM	Respiratory Rate
2:57:34 AM	Respiratory Rate
3:08:59 AM	Quantify IV fluids (mls)
3:09:27 AM	Eliminations
3:09:36 AM	Amount eaten

**B6**

**B6**

Client:  
Patient:

**B6**

**Vitals Results**

3:16:35 AM	Notes
4:00:25 AM	Heart Rate (/min)
4:00:43 AM	Respiratory Rate
4:16:11 AM	Nursing note
4:57:44 AM	Respiratory Rate
6:02:26 AM	Respiratory Rate
6:02:45 AM	Heart Rate (/min)
6:52:28 AM	Respiratory Rate
6:52:51 AM	Eliminations
6:53:07 AM	Weight (kg)
6:53:22 AM	Heart Rate (/min)
6:54:04 AM	Quantify IV fluids (mls)
7:53:45 AM	Respiratory Rate
9:12:45 AM	Respiratory Rate
9:33:36 AM	Heart Rate (/min)
9:33:44 AM	Respiratory Rate
9:33:52 AM	Temperature (F)
9:33:57 AM	Amount eaten
10:50:22 AM	Quantify IV fluids (mls)
10:54:22 AM	Nursing note
11:02:57 AM	Respiratory Rate
11:13:16 AM	Eliminations
11:21:24 AM	Heart Rate (/min)
11:22:18 AM	Respiratory Rate
1:22:19 PM	Respiratory Rate
1:23:48 PM	Heart Rate (/min)
1:58:45 PM	Respiratory Rate
2:16:37 PM	Eliminations
2:17:02 PM	Nursing note
2:49:43 PM	Respiratory Rate
3:55:36 PM	Quantify IV fluids (mls)
3:56:08 PM	Notes
3:56:46 PM	Eliminations
4:14:11 PM	Respiratory Rate
4:16:57 PM	Heart Rate (/min)
4:27:58 PM	Eliminations
4:57:57 PM	Respiratory Rate
5:10:34 PM	Eliminations

**B6**



Client:  
Patient:

**B6**

**Vitals Results**

5:14:04 PM	Amount eaten
5:29:03 PM	Heart Rate (/min)
5:29:10 PM	Temperature (F)
5:56:42 PM	Respiratory Rate
6:37:55 PM	Respiratory Rate
7:15:13 PM	Eliminations
7:39:44 PM	Quantify IV fluids (mls)
7:41:47 PM	Heart Rate (/min)
7:43:21 PM	Respiratory Rate
8:23:36 PM	Eliminations
9:23:31 PM	Respiratory Rate
9:28:01 PM	Heart Rate (/min)
9:28:07 PM	Amount eaten
10:10:29 PM	Respiratory Rate
11:20:09 PM	Respiratory Rate
11:38:19 PM	Quantify IV fluids (mls)
11:42:07 PM	Eliminations
12:12:58 AM	Heart Rate (/min)
12:13:10 AM	Respiratory Rate
1:07:14 AM	Respiratory Rate
1:48:11 AM	Heart Rate (/min)
1:48:20 AM	Temperature (F)
2:07:07 AM	Respiratory Rate
3:07:13 AM	Quantify IV fluids (mls)
3:08:02 AM	Eliminations
3:10:45 AM	Amount eaten
3:12:36 AM	Respiratory Rate
3:55:43 AM	Heart Rate (/min)
3:55:51 AM	Respiratory Rate
4:50:14 AM	Notes
5:05:09 AM	Respiratory Rate
5:30:06 AM	Nursing note
5:30:35 AM	Respiratory Rate
5:30:49 AM	Heart Rate (/min)
8:52:54 AM	Respiratory Rate
8:53:42 AM	Quantify IV fluids (mls)
8:53:50 AM	Heart Rate (/min)
8:58:15 AM	Eliminations
8:59:48 AM	Eliminations
9:08:05 AM	Respiratory Rate

**B6**

**B6**

Client:  
Patient:

**B6**

**Vitals Results**

9:46:34 AM	Amount eaten
11:15:30 AM	Quantify IV fluids (mls)
12:31:06 PM	Eliminations
3:13:56 PM	Quantify IV fluids (mls)
3:14:17 PM	Eliminations
3:17:16 PM	Amount eaten
7:29:57 PM	Eliminations
7:31:31 PM	Quantify IV fluids (mls)
9:15:51 PM	Amount eaten
9:35:42 PM	Amount eaten
11:11:15 PM	Quantify IV fluids (mls)
11:11:24 PM	Eliminations
2:01:40 AM	Nursing note
3:30:46 AM	Amount eaten
3:32:36 AM	Quantify IV fluids (mls)
3:39:55 AM	Eliminations
7:39:55 AM	Weight (kg)
7:40:12 AM	Eliminations
<b>B6</b> 7:41:25 AM	Quantify IV fluids (mls)
9:43:47 AM	Weight (kg)
9:43:57 AM	Eliminations
9:47:09 AM	Amount eaten
9:50:24 AM	Quantify IV fluids (mls)
10:42:19 AM	Temperature (F)
10:42:31 AM	Notes
11:59:42 AM	Eliminations
12:51:44 PM	Heart Rate (/min)
12:51:45 PM	Respiratory Rate
1:44:04 PM	Eliminations
1:44:18 PM	Quantify IV fluids (mls)
1:55:23 PM	Notes
1:56:59 PM	Eliminations
2:02:20 PM	Quantify IV fluids (mls)
3:28:10 PM	Eliminations
3:28:25 PM	Heart Rate (/min)
3:28:26 PM	Respiratory Rate
3:30:41 PM	Amount eaten

**B6**

Client:  
Patient:

**B6**

**Vitals Results**

5:18:47 PM	Quantify IV fluids (mls)
5:18:55 PM	Eliminations
5:44:04 PM	Notes
7:45:05 PM	Heart Rate (/min)
7:45:06 PM	Respiratory Rate
7:46:46 PM	Eliminations
9:29:34 PM	Notes
10:19:35 PM	Eliminations
10:19:48 PM	Quantify IV fluids (mls)
10:24:30 PM	Amount eaten
10:24:48 PM	Temperature (F)
10:29:29 PM	Nursing note
11:16:25 PM	Temperature (F)
11:44:31 PM	Heart Rate (/min)
11:44:32 PM	Respiratory Rate
12:23:56 AM	Eliminations
1:19:56 AM	Notes
1:20:25 AM	Eliminations
1:20:38 AM	Quantify IV fluids (mls)
3:18:28 AM	Heart Rate (/min)
3:18:29 AM	Respiratory Rate
3:24:36 AM	Eliminations
5:19:54 AM	Eliminations
5:20:05 AM	Notes
5:20:44 AM	Quantify IV fluids (mls)
8:03:25 AM	Weight (kg)
8:03:31 AM	Eliminations
8:36:52 AM	Temperature (F)
8:37:03 AM	Heart Rate (/min)
8:37:04 AM	Respiratory Rate
9:15:52 AM	Eliminations
10:03:31 AM	Notes
11:20:02 AM	Temperature (F)
11:21:40 AM	Heart Rate (/min)
11:21:41 AM	Respiratory Rate
11:28:12 AM	Eliminations
11:39:28 AM	Amount eaten

**B6**

Client: **B6**  
Patient:

**Vitals Results**

<b>B6</b>	1:26:31 PM	Eliminations
	1:27:02 PM	Notes
	4:02:49 PM	Heart Rate (/min)
	4:02:50 PM	Respiratory Rate
	4:48:14 PM	Weight (kg)

**B6**

**Patient History**

<b>B6</b>	10:57 PM	UserForm
	10:57 PM	UserForm
	10:57 PM	Email
	11:15 PM	Treatment
	11:58 PM	Purchase
	12:08 AM	Vitals
	12:08 AM	Purchase
	12:08 AM	Purchase
	12:09 AM	Purchase
	12:09 AM	Purchase
	12:09 AM	Purchase
	12:15 AM	Labwork
	12:21 AM	UserForm
	01:11 AM	Treatment
	01:11 AM	Vitals
	01:14 AM	Treatment
	01:14 AM	Vitals
	01:15 AM	Treatment
	01:15 AM	Vitals
	01:15 AM	Treatment
	01:15 AM	Vitals
	01:16 AM	Treatment
	01:18 AM	Treatment
	01:51 AM	Vitals
	01:57 AM	Treatment
	02:09 AM	Vitals
	02:13 AM	Purchase
	02:13 AM	Purchase
	03:06 AM	Treatment
	03:06 AM	Vitals
	03:13 AM	Treatment
	04:08 AM	Treatment
	04:08 AM	Vitals
	04:09 AM	Treatment
04:12 AM	Treatment	

**B6**

Client: **B6**  
Patient:

**Patient History**

04:15 AM	Treatment
04:15 AM	Treatment
04:15 AM	Vitals
04:15 AM	Treatment
04:15 AM	Vitals
04:15 AM	Treatment
04:15 AM	Vitals
04:17 AM	Treatment
04:23 AM	Treatment
04:52 AM	UserForm
04:56 AM	Treatment
04:56 AM	Vitals
05:29 AM	Treatment
05:29 AM	Vitals
05:29 AM	Treatment
05:29 AM	Vitals
08:00 AM	Treatment
08:00 AM	Vitals
08:05 AM	Treatment
08:05 AM	Vitals
08:05 AM	UserForm
<b>B6</b> 08:05 AM	Treatment
08:05 AM	Vitals
08:10 AM	Purchase
08:15 AM	Treatment
08:15 AM	Vitals
08:15 AM	Vitals
08:42 AM	Vitals
08:48 AM	Purchase
08:48 AM	Treatment
09:05 AM	Vitals
09:07 AM	Purchase
09:55 AM	Treatment
09:56 AM	Treatment
09:56 AM	Vitals
10:20 AM	Vitals
10:20 AM	Vitals
11:08 AM	Treatment
11:20 AM	Treatment
11:20 AM	Treatment
11:20 AM	Treatment
11:20 AM	Vitals
11:24 AM	Treatment
11:28 AM	Treatment
11:28 AM	Treatment
11:28 AM	Vitals

**B6**

Client:  
Patient:

**B6**

**Patient History**

11:29 AM	Vitals
11:57 AM	Treatment
11:57 AM	Vitals
11:57 AM	Treatment
11:57 AM	Vitals
12:02 PM	Purchase
12:19 PM	Treatment
12:33 PM	Purchase
12:35 PM	Purchase
01:34 PM	Treatment
01:34 PM	Vitals
01:35 PM	Treatment
01:38 PM	Treatment
01:42 PM	Treatment
01:42 PM	Vitals
01:42 PM	Treatment
01:42 PM	Vitals
02:52 PM	Treatment
02:52 PM	Vitals
03:47 PM	Treatment
03:47 PM	Vitals
03:49 PM	Treatment
03:49 PM	Vitals
03:49 PM	UserForm
03:50 PM	Vitals
03:54 PM	Treatment
03:54 PM	Vitals
04:25 PM	Treatment
04:25 PM	Vitals
04:49 PM	Treatment
04:51 PM	Vitals
05:00 PM	Prescription
05:15 PM	Task
05:17 PM	Prescription
05:26 PM	Treatment
05:26 PM	Vitals
05:26 PM	Treatment
05:26 PM	Vitals
05:50 PM	Treatment
05:53 PM	Treatment
05:53 PM	Vitals
06:19 PM	UserForm
06:32 PM	UserForm
06:53 PM	Treatment

**B6**

**B6**

Client: **B6**  
Patient:

**Patient History**

06:53 PM	Vitals
07:02 PM	Treatment
07:02 PM	Vitals
07:12 PM	Treatment
07:13 PM	Treatment
07:13 PM	Vitals
07:16 PM	Treatment
07:16 PM	Vitals
07:23 PM	Vitals
07:30 PM	Treatment
07:30 PM	Vitals
07:59 PM	Treatment
07:59 PM	Vitals
08:58 PM	Treatment
08:58 PM	Vitals
09:18 PM	Vitals
09:30 PM	Treatment
09:30 PM	Vitals
09:48 PM	Treatment
09:48 PM	Vitals
10:49 PM	Treatment
10:49 PM	Vitals
11:01 PM	Treatment
11:02 PM	Treatment
11:02 PM	Vitals
11:46 PM	Treatment
11:46 PM	Vitals
11:46 PM	Treatment
11:46 PM	Vitals
12:00 AM	Purchase
12:00 AM	Purchase
12:14 AM	Vitals
12:54 AM	Treatment
12:54 AM	Vitals
12:57 AM	Treatment
01:04 AM	Treatment
01:04 AM	Treatment
01:04 AM	Vitals
01:04 AM	Treatment
01:04 AM	Vitals
01:26 AM	Treatment
01:26 AM	Vitals
02:53 AM	Treatment
02:53 AM	Vitals
02:55 AM	Treatment
03:09 AM	Treatment

**B6**

**B6**

Client: **B6**  
Patient:

**Patient History**

<b>B6</b>	03:09 AM	Treatment	<b>B6</b>
	03:09 AM	Vitals	
	03:09 AM	Treatment	
	03:09 AM	Vitals	
	03:10 AM	Vitals	
	03:35 AM	Treatment	
	03:35 AM	Vitals	
	04:52 AM	Treatment	
	04:52 AM	Vitals	
	04:54 AM	Treatment	
	04:54 AM	Vitals	
	05:53 AM	Treatment	
	05:53 AM	Vitals	
	05:53 AM	Treatment	
	05:53 AM	Vitals	
	06:34 AM	Treatment	
	06:34 AM	Vitals	
	07:46 AM	Treatment	
	07:46 AM	Vitals	
	07:47 AM	Treatment	
	07:47 AM	Vitals	
	07:54 AM	Treatment	
	07:54 AM	Vitals	
	07:54 AM	Vitals	
	07:54 AM	Vitals	
	09:53 AM	Vitals	
	09:55 AM	Purchase	
	09:55 AM	Purchase	
	09:55 AM	Treatment	
	10:20 AM	Purchase	
	10:52 AM	Treatment	
	10:52 AM	Vitals	
10:52 AM	Treatment		
10:52 AM	Vitals		
10:52 AM	Treatment		
10:52 AM	Vitals		
10:53 AM	Vitals		
10:55 AM	Vitals		
10:58 AM	Purchase		
10:58 AM	Purchase		
10:58 AM	Purchase		
11:17 AM	Treatment		
11:21 AM	Purchase		



Client:  
Patient:

**B6**

**Patient History**

11:21 AM	Treatment
11:23 AM	Treatment
11:23 AM	Vitals
11:26 AM	Treatment
11:26 AM	Vitals
11:28 AM	Treatment
11:28 AM	Vitals
11:29 AM	Prescription
11:33 AM	Purchase
11:33 AM	Prescription
11:55 AM	Treatment
11:57 AM	Treatment
11:57 AM	Vitals
12:02 PM	Purchase
12:47 PM	Treatment
12:47 PM	Vitals
12:47 PM	Vitals
01:03 PM	Vitals
01:46 PM	Treatment
01:46 PM	Vitals
01:46 PM	Treatment
01:46 PM	Vitals
02:51 PM	Treatment
02:51 PM	Vitals
03:23 PM	Treatment
03:23 PM	Vitals
03:29 PM	Treatment
03:29 PM	Vitals
03:32 PM	Treatment
03:32 PM	Vitals
03:34 PM	Treatment
03:34 PM	Vitals
03:54 PM	Treatment
03:54 PM	Vitals
03:54 PM	Treatment
03:54 PM	Vitals
04:00 PM	Vitals
04:32 PM	Vitals
04:32 PM	Vitals
04:53 PM	Treatment
04:53 PM	Vitals
05:31 PM	Vitals
06:02 PM	Treatment
06:02 PM	Vitals
06:03 PM	Treatment
06:03 PM	Vitals

**B6**

**B6**

Client: **B6**  
Patient:

**Patient History**

<b>B6</b>	06:14 PM	Treatment	<b>B6</b>
	06:14 PM	Vitals	
	06:40 PM	Treatment	
	07:00 PM	Treatment	
	07:00 PM	Vitals	
	07:19 PM	Vitals	
	07:19 PM	Vitals	
	07:44 PM	Vitals	
	07:51 PM	Treatment	
	07:54 PM	Treatment	
	07:54 PM	Vitals	
	07:55 PM	Treatment	
	07:55 PM	Vitals	
	07:56 PM	Treatment	
	07:56 PM	Vitals	
	08:18 PM	Vitals	
	09:13 PM	Treatment	
	09:13 PM	Vitals	
	10:13 PM	Vitals	
	10:14 PM	Treatment	
	10:14 PM	Vitals	
	10:17 PM	Treatment	
	10:17 PM	Vitals	
	10:17 PM	Treatment	
	10:17 PM	Vitals	
	10:18 PM	Treatment	
	10:18 PM	Vitals	
	10:49 PM	Treatment	
	10:49 PM	Vitals	
	12:00 AM	Purchase	
	12:00 AM	Purchase	
	12:15 AM	Treatment	
	12:15 AM	Vitals	
	12:16 AM	Treatment	
	12:16 AM	Vitals	
	12:16 AM	Treatment	
	12:16 AM	Vitals	
	12:16 AM	Treatment	
	12:16 AM	Vitals	
	12:17 AM	Treatment	
12:17 AM	Treatment		
12:17 AM	Vitals		
12:18 AM	Treatment		
12:18 AM	Vitals		
12:45 AM	Treatment		
12:45 AM	Vitals		

Client:  
Patient:

**B6**

**Patient History**

01:12 AM Treatment  
01:12 AM Vitals  
01:12 AM Vitals  
01:12 AM Treatment  
01:12 AM Vitals  
02:07 AM Treatment  
02:07 AM Vitals  
02:57 AM Treatment  
02:57 AM Vitals  
02:57 AM Vitals  
03:08 AM Treatment  
03:08 AM Vitals  
03:09 AM Treatment  
03:09 AM Vitals  
03:09 AM Treatment  
03:09 AM Vitals  
  
03:09 AM Treatment  
  
03:16 AM Treatment  
03:16 AM Vitals  
03:16 AM Vitals  
04:00 AM Treatment  
04:00 AM Vitals  
04:00 AM Treatment  
04:00 AM Vitals  
04:16 AM Vitals  
04:57 AM Treatment  
04:57 AM Vitals  
06:02 AM Treatment  
06:02 AM Vitals  
06:02 AM Treatment  
06:02 AM Vitals  
06:52 AM Treatment  
06:52 AM Vitals  
06:52 AM Vitals  
06:52 AM Treatment  
06:52 AM Vitals  
06:53 AM Treatment  
06:53 AM Vitals  
06:53 AM Treatment  
06:53 AM Vitals  
06:54 AM Treatment  
06:54 AM Vitals  
07:53 AM Treatment  
07:53 AM Vitals  
08:45 AM Purchase  
09:12 AM Vitals  
09:22 AM Treatment  
09:33 AM Treatment

**B6**

**B6**

Client: **B6**  
Patient:

**Patient History**

<b>B6</b>	09:33 AM	Vitals
	09:33 AM	Treatment
	09:33 AM	Vitals
	09:33 AM	Treatment
	09:33 AM	Vitals
	09:33 AM	Treatment
	09:33 AM	Vitals
	09:36 AM	Prescription
	09:37 AM	Purchase
	09:45 AM	Prescription
	10:50 AM	Treatment
	10:50 AM	Vitals
	10:54 AM	Vitals
	11:02 AM	Treatment
	11:02 AM	Vitals
	11:13 AM	Treatment
	11:13 AM	Vitals
	11:18 AM	Treatment
	11:18 AM	Treatment
	11:21 AM	Treatment
	11:21 AM	Vitals
	11:22 AM	Treatment
	11:22 AM	Vitals
	12:02 PM	Purchase
	01:22 PM	Treatment
	01:22 PM	Vitals
	01:23 PM	Treatment
	01:23 PM	Vitals
	01:58 PM	Treatment
	01:58 PM	Vitals
	02:16 PM	Vitals
	02:17 PM	Vitals
	02:49 PM	Treatment
	02:49 PM	Vitals
	03:47 PM	Treatment
	03:55 PM	Treatment
	03:55 PM	Treatment
	03:55 PM	Vitals
	03:56 PM	Treatment
	03:56 PM	Vitals
03:56 PM	Treatment	
03:56 PM	Vitals	
04:14 PM	Treatment	
04:14 PM	Vitals	
04:16 PM	Treatment	

**B6**

Client: **B6**  
Patient:

**Patient History**

	04:16 PM	Vitals
	04:27 PM	Vitals
	04:57 PM	Treatment
	04:57 PM	Vitals
	05:06 PM	Prescription
	05:07 PM	Prescription
	05:09 PM	Prescription
	05:10 PM	Vitals
	05:14 PM	Treatment
	05:14 PM	Vitals
	05:14 PM	Vitals
	05:17 PM	Treatment
	05:29 PM	Treatment
	05:29 PM	Vitals
	05:29 PM	Treatment
	05:29 PM	Vitals
	05:56 PM	Treatment
	05:56 PM	Vitals
	06:37 PM	Treatment
	06:37 PM	Vitals
	07:15 PM	Vitals
	07:36 PM	Treatment
<b>B6</b>	07:36 PM	Treatment
	07:39 PM	Treatment
	07:39 PM	Treatment
	07:39 PM	Vitals
	07:41 PM	Treatment
	07:41 PM	Vitals
	07:43 PM	Treatment
	07:43 PM	Vitals
	08:23 PM	Treatment
	08:23 PM	Vitals
	08:59 PM	Treatment
	09:23 PM	Treatment
	09:23 PM	Vitals
	09:28 PM	Treatment
	09:28 PM	Vitals
	09:28 PM	Treatment
	09:28 PM	Vitals
	10:10 PM	Treatment
	10:10 PM	Vitals
	11:20 PM	Treatment
	11:20 PM	Vitals
	11:38 PM	Treatment
	11:38 PM	Vitals
	11:38 PM	Treatment

**B6**

Client: **B6**  
Patient:

**Patient History**

<b>B6</b>	11:42 PM	Treatment
	11:42 PM	Vitals
	12:00 AM	Purchase
	12:00 AM	Purchase
	12:12 AM	Treatment
	12:12 AM	Vitals
	12:13 AM	Treatment
	12:13 AM	Vitals
	01:07 AM	Treatment
	01:07 AM	Vitals
	01:48 AM	Treatment
	01:48 AM	Vitals
	01:48 AM	Treatment
	01:48 AM	Vitals
	02:07 AM	Treatment
	02:07 AM	Vitals
	03:07 AM	Treatment
	03:07 AM	Vitals
	03:08 AM	Treatment
	03:08 AM	Vitals
	03:10 AM	Treatment
	03:10 AM	Vitals
	03:12 AM	Treatment
	03:12 AM	Vitals
	03:55 AM	Treatment
	03:55 AM	Treatment
	03:55 AM	Treatment
	03:55 AM	Vitals
	04:48 AM	Treatment
	04:50 AM	Treatment
	04:50 AM	Vitals
	05:05 AM	Treatment
	05:05 AM	Vitals
	05:30 AM	Vitals
	05:30 AM	Treatment
	05:30 AM	Vitals
	05:30 AM	Treatment
	05:30 AM	Vitals
	08:52 AM	Treatment
	08:52 AM	Vitals
08:53 AM	Treatment	
08:53 AM	Treatment	
08:53 AM	Vitals	
08:53 AM	Treatment	
08:53 AM	Vitals	

**B6**

Client:  
Patient:

**B6**

**Patient History**

08:58 AM	Treatment
08:58 AM	Vitals
08:59 AM	Vitals
09:08 AM	Vitals
09:39 AM	Purchase
09:46 AM	Treatment
09:46 AM	Treatment
09:46 AM	Vitals
11:15 AM	Treatment
11:15 AM	Treatment
11:15 AM	Vitals
11:48 AM	Prescription
12:02 PM	Purchase
12:30 PM	Treatment
12:30 PM	Vitals
12:30 PM	Vitals
12:30 PM	Vitals
12:30 PM	Vitals
12:30 PM	Vitals
12:30 PM	Vitals
12:30 PM	Vitals
12:30 PM	Vitals
12:31 PM	Treatment
12:31 PM	Vitals
03:13 PM	Treatment
03:13 PM	Vitals
03:14 PM	Treatment
03:14 PM	Vitals
03:17 PM	Treatment
03:17 PM	Vitals
05:42 PM	Prescription
06:20 PM	Prescription
06:25 PM	Treatment
07:29 PM	Treatment
07:29 PM	Treatment

**B6**

**B6**

Client:  
Patient:

**B6**

**Patient History**

07:29 PM	Treatment
07:29 PM	Vitals
07:31 PM	Treatment
07:31 PM	Vitals
07:31 PM	Treatment
09:15 PM	Treatment
09:15 PM	Vitals
09:35 PM	Vitals
11:11 PM	Treatment
11:11 PM	Vitals
11:11 PM	Treatment
11:11 PM	Vitals
12:00 AM	Purchase
12:00 AM	Purchase
02:01 AM	Vitals
03:30 AM	Treatment
03:30 AM	Vitals
03:31 AM	Treatment
03:32 AM	Treatment
03:32 AM	Vitals
03:39 AM	Treatment
03:39 AM	Vitals
07:39 AM	Vitals
07:40 AM	Treatment
07:40 AM	Vitals
07:41 AM	Treatment
07:41 AM	Vitals
08:38 AM	Treatment
09:11 AM	Treatment
09:43 AM	Treatment
09:43 AM	Vitals
09:43 AM	Treatment
09:43 AM	Vitals
09:47 AM	Treatment
09:47 AM	Vitals
09:50 AM	Treatment
09:50 AM	Vitals
10:42 AM	Treatment
10:42 AM	Vitals
10:42 AM	Treatment
10:42 AM	Vitals
11:41 AM	Prescription
11:59 AM	Treatment

**B6**

**B6**



Client:  
Patient:

**B6**

**Patient History**

**B6**

11:59 AM	Vitals
12:02 PM	Purchase
12:10 PM	Purchase
12:51 PM	Treatment
12:51 PM	Treatment
12:51 PM	Vitals
12:51 PM	Vitals
01:44 PM	Treatment
01:44 PM	Vitals
01:44 PM	Treatment
01:44 PM	Vitals
01:55 PM	Treatment
01:55 PM	Vitals
01:56 PM	Vitals
02:02 PM	Treatment
02:02 PM	Treatment
02:02 PM	Vitals
02:08 PM	Treatment
03:28 PM	Treatment
03:28 PM	Vitals
03:28 PM	Treatment
03:28 PM	Vitals
03:28 PM	Vitals
03:28 PM	Vitals
03:30 PM	Treatment
03:30 PM	Vitals
05:18 PM	Treatment
05:18 PM	Vitals
05:18 PM	Treatment
05:18 PM	Vitals
05:44 PM	Treatment
05:44 PM	Vitals
05:44 PM	Treatment
07:44 PM	Treatment
07:45 PM	Treatment
07:45 PM	Treatment
07:45 PM	Vitals
07:45 PM	Vitals
07:46 PM	Treatment
07:46 PM	Vitals
09:29 PM	Treatment
09:29 PM	Vitals

**B6**

Client: **B6**  
Patient:

**Patient History**

	10:19 PM	Treatment
	10:19 PM	Vitals
	10:19 PM	Treatment
	10:19 PM	Vitals
	10:24 PM	Treatment
	10:24 PM	Treatment
	10:24 PM	Vitals
	10:24 PM	Treatment
	10:24 PM	Vitals
	10:29 PM	Vitals
	10:29 PM	Vitals
	11:16 PM	Vitals
	11:44 PM	Treatment
	11:44 PM	Vitals
	11:44 PM	Vitals
	11:45 PM	Treatment
	12:00 AM	Purchase
	12:00 AM	Purchase
	12:20 AM	Treatment
	12:23 AM	Treatment
	12:23 AM	Vitals
<b>B6</b>	01:19 AM	Treatment
	01:19 AM	Vitals
	01:20 AM	Treatment
	01:20 AM	Vitals
	01:20 AM	Treatment
	01:20 AM	Vitals
	03:18 AM	Treatment
	03:18 AM	Vitals
	03:18 AM	Vitals
	03:24 AM	Treatment
	03:24 AM	Vitals
	05:19 AM	Treatment
	05:19 AM	Vitals
	05:20 AM	Treatment
	05:20 AM	Vitals
	05:20 AM	Treatment
	05:20 AM	Vitals
	08:03 AM	Treatment
	08:03 AM	Vitals
	08:03 AM	Treatment
	08:03 AM	Vitals
	08:36 AM	Treatment
	08:36 AM	Vitals

**B6**

Client:  
Patient:

**B6**

**Patient History**

08:37 AM	Treatment
08:37 AM	Vitals
08:37 AM	Vitals
08:40 AM	Treatment
08:40 AM	Treatment
09:15 AM	Treatment
09:15 AM	Vitals
09:17 AM	Treatment
10:03 AM	Treatment
10:03 AM	Treatment
10:03 AM	Vitals
11:20 AM	Treatment
11:20 AM	Vitals
11:21 AM	Treatment
11:21 AM	Vitals
11:21 AM	Vitals
11:28 AM	Treatment
11:28 AM	Vitals
11:34 AM	Purchase
11:35 AM	Treatment
11:39 AM	Treatment
11:39 AM	Vitals
11:54 AM	Purchase
12:02 PM	Purchase
01:26 PM	Treatment
01:26 PM	Vitals
01:27 PM	Treatment
01:27 PM	Vitals
02:23 PM	UserForm
03:40 PM	Prescription
03:40 PM	Prescription
03:41 PM	Prescription
03:41 PM	Purchase
04:02 PM	Treatment
04:02 PM	Vitals
04:02 PM	Vitals
04:14 PM	Purchase
04:15 PM	Treatment
05:02 PM	Prescription
05:37 PM	Task

**B6**

**B6**

Client:  
Patient:

**B6**

**Patient History**

<b>B6</b>	12:25 PM	Purchase
	12:30 PM	Prescription
	01:23 PM	Email
	01:23 PM	UserForm
	03:57 PM	Appointment
	04:00 PM	Appointment
	04:01 PM	Appointment
	08:00 AM	UserForm
	08:01 AM	UserForm
	01:18 PM	Treatment
	01:31 PM	UserForm
	01:48 PM	Vitals
	01:50 PM	Purchase
	02:27 PM	UserForm
	02:57 PM	Appointment
	02:58 PM	Prescription
	04:34 PM	Purchase
	04:34 PM	Purchase

**B6**

**Best Available Copy**

**Best Available Copy**

**B6**

**B6**

Male (Neutered)

Canine Golden Retriever Golden

Patient ID: **B6**

## STANDARD CONSENT FORM

---

I am the owner, or agent for the owner, of the above described animal and have the authority to execute consent. I hereby authorize the Cummings School of Veterinary Medicine at Tufts University (herein after Cummings School) to prescribe for treatment of said animal according to the following terms and conditions.

Cummings School and its officers, agents and employees will provide such veterinary medical care as they deem reasonable and appropriate under the circumstances.

Cummings School and its officers, agents, and employees will use all reasonable care in the treatment of the above mentioned animal, but will not be liable for any loss or accident that may occur or any disease that may develop as a result of the care and treatment provided.

I understand that the above identified animal may be treated by Cummings School students under the supervision and assistance of Cummings School staff members.

In executing this form, I hereby expressly acknowledge that risks, benefits and alternative forms of treatment have been explained to me. I understand said explanation, and I consent to treatment. Should any additional treatments or diagnostics be required during the continued care of my animal, I understand that I will be given the opportunity to discuss and consent to these additional procedures. I understand that further or additional treatment may be required without an opportunity for discussion and consideration by me, in the case of the development of any life-threatening emergency during the continued care of my animal and I expressly consent to all such reasonable treatment as required. I realize and understand that results cannot be guaranteed.

If any equipment is left with the animal, it will be accepted with the understanding that Cummings School assumes no responsibility for any loss of equipment that may occur.

I agree to pick up the animal when notified that it is ready for release.

In the event the animal is not picked up, and if ten (10) days have expired since a registered letter was sent to the address given above, notifying me to call for the animal, the animal may be sold or otherwise disposed of in a humane manner and the proceeds applied to the charges incurred in caring and treating the animal. Failure to remove said animal will not and does not relieve me from obligation for the costs of services rendered.

I hereby grant to the Cummings School of Veterinary Medicine at Tufts University, its officers and employees (collectively referred to herein as Cummings School), and its agents and assigns (the Grantees) the irrevocable rights to photograph / videotape the operation or procedure to be performed, including appropriate and otherwise use such photographs and images for, and in connection with, a Grantee's medical, scientific, educational, and publicity purposes, by any means, methods and media (print and electronic) now known or, in the future, developed that the Grantee deems appropriate (provided that such photographs and images may not be used in for-profit commercials, unless such commercials are publicizing educational programs at Cummings School). As medical and surgical treatment necessitates the removal of tissue, cells, fluids or body parts of my animal, I authorize the Grantees to dispose of or use these tissues, cells, fluids or body parts for scientific and educational purposes.

I understand that a FINANCE CHARGE will be applied to all accounts unpaid after 30 days. The FINANCE CHARGE is computed on a monthly rate of 1.33% per month, which is an annual percentage rate of 16% applied to the average daily balance outstanding, with a minimum fee of \$50.

I do further agree that should any payment, or the full amount of the sum stated above, become overdue more than 20 days from the above-agreed upon time of payment or payments, the entire balance shall be considered in default and become due and payable. I further agree to be responsible for any or all collection agency and/or attorney fees necessary to collect the full amount.

I do further agree to comply with hours of visitation in conjunction with our Hospital's policy.

I have read, understand, and agree to accept the terms and conditions herein.

Owner's name:  Date:

Owner's address:

\_\_\_\_\_  
Owner's Name Signature

\_\_\_\_\_  
Date

**If the individual admitting the animal is someone other than the legal owner,  
please complete the portion below:**

The owner of the animal,  has granted me authority to obtain medical treatment and to bind this owner to pay the veterinary medical services provided at Cummings School pursuant to the terms and conditions described above

\_\_\_\_\_  
Authorized Agent - Please Print

\_\_\_\_\_  
Agent's Signature

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Date

\_\_\_\_\_  
Town/City                      State                      Zip



**B6**

**B6**

Male (Neutered)

Canine Golden Retriever Golden

Patient ID: **B6**

## STANDARD CONSENT FORM

---

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I understand that the above identified animal may be treated by Cummings School students under the supervision and assistance of Cummings School staff members.

In executing this form, I hereby expressly acknowledge that risks, benefits and alternative forms of treatment have been explained to me. I understand said explanation, and I consent to treatment. Should any additional treatments or diagnostics be required during the continued care of my animal, I understand that I will be given the opportunity to discuss and consent to these additional procedures. I understand that further or additional treatment may be required without an opportunity for discussion and consideration by me, in the case of the development of any life-threatening emergency during the continued care of my animal and I expressly consent to all such reasonable treatment as required. I realize and understand that results cannot be guaranteed.

If any equipment is left with the animal, it will be accepted with the understanding that Cummings School assumes no responsibility for any loss of equipment that may occur.

I agree to pick up the animal when notified that it is ready for release.

In the event the animal is not picked up, and if ten (10) days have expired since a registered letter was sent to the address given above, notifying me to call for the animal, the animal may be sold or otherwise disposed of in a humane manner and the proceeds applied to the charges incurred in caring and treating the animal. Failure to remove said animal will not and does not relieve me from obligation for the costs of services rendered.

I hereby grant to the Cummings School of Veterinary Medicine at Tufts University, its officers and employees (collectively referred to herein as Cummings School), and its agents and assigns (the Grantees) the irrevocable rights to photograph / videotape the operation or procedure to be performed, including appropriate and otherwise use such photographs and images for, and in connection with, a Grantee's medical, scientific, educational, and publicity purposes, by any means, methods and media (print and electronic) now known or, in the future, developed that the Grantee deems appropriate (provided that such photographs and images may not be used in for-profit commercials, unless such commercials are publicizing educational programs at Cummings School). As medical and surgical treatment necessitates the removal of tissue, cells, fluids or body parts of my animal, I authorize the Grantees to dispose of or use these tissues, cells, fluids or body parts for scientific and educational purposes.

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I do further agree that should any payment, or the full amount of the sum stated above, become overdue more than 20 days from the above-agreed upon time of payment or payments, the entire balance shall be considered in default and become due and payable. I further agree to be responsible for any or all collection agency and/or attorney fees necessary to collect the full amount.

I do further agree to comply with hours of visitation in conjunction with our Hospital's policy.

I have read, understand, and agree to accept the terms and conditions herein.

Owner's name:  Date:

Owner's address:

Owner's Name Signature

Date

**If the individual admitting the animal is someone other than the legal owner,  
please complete the portion below:**

The owner of the animal  has granted me authority to obtain medical treatment and to bind this owner to pay the veterinary medical services provided at Cummings School pursuant to the terms and conditions described above

\_\_\_\_\_  
Authorized Agent - Please Print

\_\_\_\_\_  
Agent's Signature

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Date

\_\_\_\_\_  
Town/City                      State                      Zip

# Treatment Plan

**Foster Hospital for Small Animals**  
55 Willard Street  
North Grafton MA 01536  
(508) 839-5395  
<http://vetmed.tufts.edu/>

Estimated Charges  
**B6**

**B6**

*This estimate is based upon our preliminary examination. This is an estimate and is not the final bill. Every effort will be made to keep you informed of the current status of your bill throughout your animal's hospitalization. The final fee may vary considerably from this estimated cost.*

Patient	Description	Estimated Charges
<b>B6</b>	Hospitalization, monitoring and supportive care, IV fluids and medications, oxygen support, radiographs, surgery if indicated	<b>B6</b>

**B6**

Doctor of Record: **B6**

I understand that no guarantee of successful treatment is made. I certify that I have read and fully understand the authorization for medical and/or surgical treatment, the reason for why such medical and/or surgical treatments is considered necessary, as well as its advantages and possible complications, if any. I also assume financial responsibility for all charges incurred to this patient(s). I agree to pay 75% of the estimated cost at the time of admission. Additional deposits will be required if additional care or procedures are required. I further agree to pay the balance of the charges when this patient(s) is released.  
Procedural billing is inclusive up to and including the estimated duration of hospitalization. There will be additional expenses if hospitalization extends beyond the specified duration.  
I have read, understand, and agree to accept the conditions of this treatment plan.  
Thank you for entrusting us with your pet's care.

High Total	<b>B6</b>
Low Total	
75% Deposit	

**Radiology Request & Report**

**Patient**

Name: B6

Species: Canine

Golden Male (Neutered) Golden

Retriever

Birthdate: B6

**Owner**

Name: B6

Address: B6

Patient ID: B6

Date of request: B6

Attending Clinician: B6 (Resident, Emergency & Critical Care)

Student:

DUPLICATE FORM

Date of exam: B6

Patient Location: Ward/Cage: ICU R2

Weight (kg) 36.00

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

**Sedation**

- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

**Examination Desired:**

three view thorax

**Presenting Complaint and Clinical Questions you wish to answer:**

Emergency - presented with upper airway obstruction, potential tieback today

**Pertinent History:**

**Findings:**

**Conclusions:**

**Radiologists**

Primary:

Reviewing:

**Dates**

Reported:

Finalized:

# Cummings

## Veterinary Medical Center

AT TUFTS UNIVERSITY

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-8739  
<http://vetmed.tufts.edu/>

B6

B6

Male (Neutered)

Canine Golden Retriever Golden

B6

### Biopsy Request

Doctor to serve as contact: B6

(if primary contact is not available during business hours, provide a secondary contact, as well)

Phone/caller: B6

Email: B6@tufts.edu

Total # of anatomic sites sampled (each site will be charged separately): 1

Total # of separate containers submitted: 1

Images sent to [pathpics@tufts.edu](mailto:pathpics@tufts.edu)?

- Yes  
 No

**CASE SUMMARY** (CONCISE DESCRIPTION of time sequence, therapy, summary of abnormal clinical pathology and diagnostic imaging lesion size, margin labels/orientation if relevant):

mass at base of tongue on left side

acute onset gagging and nasal discharge at home followed by acute respiratory crisis and admitted here  
FNA performed as well

**CLINICAL DIAGNOSES/DIFFERENTIALS:**

abscess vs. neoplasia

**CONTAINER 1.** (In addition to site specific history include number of tissue pieces):

**CONTAINER 2.** (In addition to site specific history include number of tissue pieces):

**CONTAINER 3.** (In addition to site specific history include number of tissue pieces):

**Best Available Copy**

**CT Request & Report**

**Patient**

Name: B6

Species: Canine

Golden Male (Neutered) Golden

Retriever

Birthdate: B6

**Owner**

Name: B6

Address: B6

Patient ID: B6

Date of request: B6

Attending Clinician: B6 (Resident, Emergency & Critical Care)

Student:

Date of exam: B6

Patient Location: Ward/Cage: ICU R 2

Weight (kg) 36.00

Scheduling and Patient Notes: (waiting for chemo, procedure, needs cysto etc.)

Examination Desired: CT head and thorax

**Sedation**

- Anesthesia to sedate/anesthetize
- DexDomitor/Butorphanol
- Autoanesthesia

Presenting Complaint and Clinical Questions you wish to answer: Emergency mass left side of base of tongue - potential surgical explore post CT  
poss lesion right caudal lung lobe

**Pertinent History:**

several day history increased respiratory noise and gagging, presented in severe respiratory distress and required emergent intubation B6 FNA consistent with abscess B6

**Protocol:**

Volume data of the head and thorax was acquired (with slice thickness = 3mm) before and after administration of contrast (XmL Iohexol IV). Images were reconstructed in bone, lung, and soft-tissue algorithms in sagittal, transverse and dorsal planes.

**Findings:**

B6

# B6

**Conclusions:**

Mass associated with the left side of the base of the tongue with regional cellulitis may represent abscess or abscessed neoplasm (squamous cell carcinoma, melanoma, round cell). Mild left mandibular lymphadenopathy may be reactive or neoplastic. No evidence of pulmonary metastatic disease.

**Procedures:**

Aspiration of the tongue mass was performed with no immediate complications

**Radiologists**

Primary: B6 DVM

Reviewing: B6 MV, DACVR

**Dates**

Reported: B6

Finalized: B6



# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Emergency & Critical Care Liaison: (508) 887 - 4745

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-8739  
<http://vetmed.tufts.edu/>

**Patient**

Name: B6

Signalment: B6 Years Old Golden Male  
(Neutered) Golden Retriever

Patient ID: B6

Clinician: B6 (Resident, Emergency & Critical Care)

Clinician: B6 (Resident, cardiology)

**Owner**

Name:

Address:

B6

ER Submission:

B6

### Discharge Instructions

Admit Date: B6 1055:12 PM

Check Out Date: B6

**Case Summary**

**Diagnosis:**

1. Respiratory crisis due to airway swelling
2. Swelling at the base of his tongue on the left side, either from an infection, inflammation or an underlying mass/cancer
3. Aspiration Pneumonia

B6

# B6

# B6

**Recheck Visits:**

A recheck is recommended in about 10 days with **B6**, or sooner if you have concerns. Please call 508 887 4745 to schedule this appointment. At this visit we would like to check his breathing and recheck his chest x-rays. We have sent home 2 weeks of antibiotic medications, but may want to continue for longer pending how he is doing and how his x-rays look.

Thank you for allowing us to participate in [ B6 ] care. He is such a sweet boy and we hope that he feels good at home!

---

**Prescription Refill Disclaimer:**

*For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.*

**Ordering Food:**

*Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.*

**Clinical Trials:**

*Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: [vet.tufts.edu/cvmc/clinical-studies](http://vet.tufts.edu/cvmc/clinical-studies)*

---

Case: [ B6 ]

Owner: [ B6 ]

Discharge Instructions

**Radiology Request & Report**

**Patient**

Name: B6

Species: Canine

Golden Male (Neutered) Golden  
Retriever

Birthdate: B6

**Owner**

Name: B6

Address: B6

Patient ID: B6

Date of request: B6

Attending Clinician: B6

Student:

Date of exam: B6

Patient Location: Ward/Cage: A run

Weight (kg) 36.00

**Sedation**

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

**Examination Desired:**

3 view chest- Tech only please, dog has upper airway mass and has trouble breathing with excitement

**Presenting Complaint and Clinical Questions you wish to answer:**

Panting, nasal discharge, gagging/retching at home

Was at rDVM, then came here in pm with severe respiratory distress

rDVM tx'd for presumptive tongue abscess with B6

intubated here (with difficulty) and maintained on table for several hours before extubating

re-intubated the next day for sedated oral exam

Report from anesthesia is that they could visualize arytenoids

Slow improvement, failed owner visit B6 and was re-sedated, settled well

Fever last night, but otherwise clinically doing well. Reportedly may have aspirated during initial events.

**Pertinent History:**

B6

**Conclusions:**

Changes to the left cranial lung lobe are most consistent with aspiration pneumonia. Follow up radiographs can be considered to monitor for progression/resolution

**Radiologists**

Primary: [B6] V18

Reviewing: [B6] DVM, DACVR

**Dates**

Reported: [B6]

**Radiology Request & Report**

**Patient**

Name: B6  
Species: Canine  
Golden Male (Neutered) Golden  
Retriever  
Birthdate: B6

**Owner**

Name: B6  
Address: B6

Patient ID: B6  
Date of request: B6

Attending Clinician: B6 DVM (Intern, Emergency and Critical Care) Student:

Date of exam: B6

Patient Location: Ward/Cage: icu Weight (kg) 36.00

- Inpatient  
 Outpatient Time:  
 Waiting  
 Emergency

**Sedation**

- BAG  
 OBAG  
 1/2 dose OBAG  
 DexDomitor/Butorphanol  
 Anesthesia to sedate/anesthetize

Examination Desired: Thorax 3 view

Presenting Complaint and Clinical Questions you wish to answer:  
Emergency

Pertinent History: Acute inspiratory crisis (suspect larynx vs oral mass) overnight

**B6**

**Conclusions:**

- Caudodorsal gas lucency may represent atypical duodenal gas on the DV, and gastric gas on the left lateral; however the possibility of pulmonary localization cannot be excluded. In the latter case, a

pulmonary abscess or mass with central necrosis could be considered, although no soft tissue component is identified. Thoracic CT or follow-up radiographs may be considered for further evaluation.  
- Normal cardiovascular structures.

A cause for acute inspiratory dyspnea is not identified.

**Radiologists**

Primary: [B6], DVM

Reviewing: [B6], DVM, DACVR

**Dates**

Reported: [B6]

Finalized: [B6]

# Cummings

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Emergency & Critical Care Liaison: (508) 887-4745

**Patient**

**Name:** [B6]  
**Signalment:** [B6] Years Old Gold Male  
(Neutered) Golden Retriever

**Owner**

**Name:** [B6]  
**Address:** [B6]

**Patient ID:** [B6]

**Emergency Clinician:** [B6] DVM (Emergency and Critical Care Resident)  
**Consulting Clinician:**

**DR Summary:**

[B6]

### Discharge Instructions

**Admit Date:** [B6] 11:22:13 AM

**Check Out Date:** [B6]

**Case Summary**

**Diagnosis:**

1. Lethargy: open diagnosis
2. Moist dermatitis, left tail base
3. New heart murmur: open diagnosis

**Case Summary:**

Thank you for bringing [B6] to Tufts University Emergency Service for evaluation of lethargy and a hot spot on the tail base. On examination, [B6] had normal vital parameters and a normal examination aside from a low grade heart murmur and a large hot spot on the tail base. We discussed that [B6] lethargy is unlikely cardiac related and that further workup would start with repeat bloodwork (CBC/chemistry/urinalysis), which you elected to hold on for now.

[B6] was discharged with antibiotics to treat his skin infection and you should follow up with your primary care veterinarian if [B6] remains lethargic.

**Patient Care Instructions:**

1. **MONITORING:** Please monitor for any signs of worsening, including severe lethargy, lack of appetite, vomiting, diarrhea and call if noted.

**Medications:**

**New medications:**

[B6]



Start today

**Recheck Visits:** No recheck in the ER is necessary unless   B6   is not doing well at home.

---

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---

Case:   B6  

Owner:   B6  

Discharge Instructions

## Discharge Instructions

**Patient**

Name: B6

Species: Canine

Gold Male (Neutered) Golden Retriever

Birthdate: B6

**Owner**

Name: B6

Address: B6

Patient ID: B6

**Attending Cardiologist:**

B6

**Cardiology Resident:**

B6

**Cardiology Technician:**

B6

**Veterinary Nutritionist: Dr. Lisa Freeman**

Student: B6 V19

Admit Date: B6 1:06:44 PM

Discharge Date: B6

**Diagnoses:** Dilated cardiomyopathy (DCM), Suspect mild concurrent Degenerative Mitral Valve Disease**Case Summary:**

Thank you for bringing B6 to Tufts Cardiology Service for evaluation of his newly found heart murmur. On echocardiogram, we found that he does have Dilated Cardiomyopathy or DCM. This disease is more common in large and giant breed dogs and is characterized by thinning of the walls of the heart, reduced cardiac pump function, and enlargement of the upper chambers of the heart. Many dogs with DCM will also have significant arrhythmias which can be life-threatening and also require medical management. Thankfully, we did not see any arrhythmias on his ECG today. Additionally, we saw a moderate amount of regurgitation coming from the mitral valve. This is a common heart disease in dogs, where the heart valve thickens with age, resulting in a leak. As the leak continues, we may see worsening of the heart enlargement in the future. Signs for congestive heart failure (fluid in the lungs) will be difficulty breathing, coughing, increased breathing rate. If you notice that B6 breathing rate is faster than normal at home we will want to have chest xrays taken. We would like to adjust B6 diet and we provided some dietary recommendations below.

**Diagnostic test results and findings:**

- **Echocardiogram findings:** The walls of the chambers of his heart are thinner than normal and he has reduced contractile function. The left ventricle and left atrium are dilated. The mitral valve has a moderate amount of regurgitation.
- **ECG findings:** The ECG was unremarkable- no arrhythmias
- **Labwork findings:** We will call you when we have the results of his bloodwork. Most of it should come back

tomorrow, but some of it will take a week or so to return.

#### Monitoring at home:

- We would like you to monitor your dog's breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 breaths per minute. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.
- There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

#### Recommended Medications:

# B6

#### Diet suggestions:

Dogs with heart failure accumulate more fluid in their body if they eat large amounts of sodium (salt). Sodium can be found in all foods, but some foods are lower in sodium than others. Many pet treats, people foods, and supplements used to give pills often have more sodium than is desirable - a sheet that has suggestions for low sodium treats can be found on the HeartSmart web site (<http://vet.tufts.edu/heartsmart/diet/>)

Your dog's usual diet may also have more sodium than recommended - we want him/her to continue to eat his/her normal diet for the first 7 to 14 days so we can make sure he is tolerating medications well, but after that time we would recommend slowly introducing one of the lower sodium diets on the HeartSmart list (25% of the new diet and 75% old diet for 2-3 days, then 50:50, etc.). Hopefully you can find a diet on the list that your dog likes to eat. Alternatively, if you are attached to the current diet you can research the amount of sodium in the diet to ensure that the sodium content is similar to those on the list.

- The FDA is currently investigating an apparent association between diet and a type of heart disease called dilated cardiomyopathy. The exact cause is still unclear, but it appears to be associated with boutique diets and those containing exotic ingredient or are grain-free. Therefore, we are currently recommending that dogs do not eat these types of diets.
- We recommend switching **B6** to commercial diet made by a well-established company that is not grain-free and does not contain any exotic ingredients, such as kangaroo, duck, lamb, venison, lentils, peas, beans, buffalo, tapioca, barley, and chickpeas.
- The FDA issued a statement regarding this issue (<https://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/uom613305.htm>) and a recent article published by Dr. Lisa Freeman on the Cummings School's Pet Foodology blog can further explain these findings (<http://vetnutrition.tufts.edu/2018/06/a-broken-heart-risk-of-heart-disease-in-boutique-or-grain-free-diets-and-exotic-ingredients/>).
- Our nutritionists have compiled a list of dog foods that are good options for dogs with heart disease.

#### Dry Food Options:

Royal Canin Early Cardiac (veterinary diet)

Purina Pro Plan Adult Weight Management

Purina Pro Plan Bright Mind Adult Small Breed Formula

lams Chunks

**Canned Food Options:**

Hill's Science Diet Adult 1-6 Healthy Cuisine Roasted Chicken, Carrot, and Spinach Stew  
Royal Canin Mature 8+

If your dog has special nutritional needs or requires a homecooked diet, we recommend you schedule an appointment with our nutritionists (508-887-4696).

**Exercise Recommendations:**

We recommend limited activity. Leash walking only is ideal, and short walks to start. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised.

**Recheck Visits:**

Thank you for enrolling **B6** in our clinical study.

**B6** is supposed to have an appointment here at Tufts in about 3 months - We have an appointment for him scheduled on May 9th at 10AM. We will perform an echo, ECG and bloodwork at this time.

Thank you for entrusting us with **B6** care! It was a pleasure to meet you all today and he was a very good boy. Please contact our Cardiology liaison at (508)-887-4696 or email us at [cardiowet@tufts.edu](mailto:cardiowet@tufts.edu) for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

---

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---

Case **B6**

Owner **B6**

Discharge Instructions

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

duplicate

**B6**

Patient ID: B6

B6 Canine

B6 Years Old Male (Neutered) Golden Retriever  
Gold

**Discharge Instructions**

**Patient**

**Name:** B6

**Species:** Canine

**Gold Male (Neutered) Golden Retriever**

**Birthdate:** B6

**Owner**

**Name:** B6

**Address:** B6

**Patient ID:** B6

Duplicate

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

**B6**

Patient ID: B6

B6 Canine

B6 years Old Male (Neutered) Golden Retriever  
Gold

## Cardiology Appointment Report

Date: B6

### Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC (PRIMARY)

**B6**

### Cardiology Resident:

B6

### Cardiology Technician:

**B6**

Student: B6 V19

### Presenting Complaint:

RDVM yearly revealed B6 heart murmur

B6 echo- DCM with 2+ mitral regurgitation 1+ tricuspid regurgitation and mild pulmonic insufficiency

ER B6 for profound lethargy- declined diagnostics but wanted to see cardio sooner than scheduled appointment, diagnosed with hot spot on tail and rx B6 PO BID but owner didn't read label right and has been giving 500mg PO BID instead

Whole life on grain free diet

Put on a lot of weight within 2018 (84lbs in December, 80lbs today), decreased activity (secondary to owner injury vs. B6 less excited for fetching, still goes on 1-2.5mile walk) - rdvm records low normal thyroid level

### Concurrent Diseases:

On prozac for anxiety

Developing cataract OS

### General Medical History:

Attacked in face by other dog at agility class prior to adoption (1 yo)

Arthritis in RF elbow

Spastic episodes, jerky motions while sleeping, almost every night, started in the last year

### Diet and Supplements:

**B6**

**Cardiovascular History:**

Prior CHF diagnosis? No

Prior heart murmur? II/VI diagnosed in December 2018

Prior ATE? No

Prior arrhythmia? No

Monitoring respiratory rate and effort at home? No

Cough? No

Shortness of breath or difficulty breathing? No

Syncope or collapse? No

Sudden onset lameness? No

Exercise intolerance? No

**Current Medications Pertinent to CV System:**

**B6**

**Cardiac Physical Examination:**

General PE: NSF

MM Color and CRT: pink, moist,

CRT <2 sec

BCS (1-9): 7

BW (kg): 36.3

Heart rate: 90

Respiratory rate: panting

Temp (if possible):

Muscle condition:

Normal

Mild muscle loss

Moderate cachexia

Marked cachexia

**Cardiovascular Physical Exam:**

Murmur Grade:

None

I/VI

II/VI to

III/VI

IV/VI

V/VI

VI/VI

Murmur location/description: Left heart apex

Jugular vein:

Bottom 1/3 of the neck

Middle 1/3 of the neck

1/2 way up the neck

Top 2/3 of the neck

Arterial pulses:



- Weak
- Fair
- Good
- Strong

- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other:

**Arrhythmia:**

- None
- Sinus arrhythmia
- Premature beats

- Bradycardia
- Tachycardia

**Gallop:**

- Yes
- No
- Intermittent

- Pronounced
- Other: Faint

**Pulmonary assessments:**

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds

- Pulmonary crackles
- Wheezes
- Upper airway stridor

**Abdominal exam:**

- Normal
- Hepatomegaly
- Abdominal distension

- Mild ascites
- Marked ascites

**Problems:**

Murmur and prior dx of DCM  
Here for diet study

**Diagnostic plan:**

- Echocardiogram +/- other testing
- Chemistry profile
- ECG
- Renal profile
- Blood pressure

- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests:

**Echocardiogram Findings:**

**General/2-D findings:**

Heart rate is 90-100 sinus rhythm. Dilated hypocontractile LV. The LV walls are thin. Increased EPSS. The LA is moderately enlarged. The RH is mild to moderately enlarged. No pleural or pericardial effusion. There is still rotational motion to the LV near the apex. The MV is +/- thick. Aortic outflow tract is ok. PA is normal to mildly enlarged. Hepatic veins are normal to mildly distended. There is no ascites.

**Doppler findings:**

1-2+ MR, posterior directed jet  
The TR velocity is normal.

**Mitral inflow:**

- Summated
- Normal
- Delayed relaxation

- Pseudonormal
- Restrictive

**ECG findings:**

NSR, 95 bpm, tall QRS compatible with LVE

**Assessment and recommendations:**

Echocardiogram reveals DCM with significant MR (which could also indicate a component of DMVD). Recommend starting pimobendan 10mg BID. Taurine blood levels were submitted, and recommend supplementing taurine until results come back. Recommend changing diet to RC Early Cardiac or similar diet on the list. NT-proBNP, troponin, CBC/chem were submitted. Patient was enrolled in DCM Study. Recheck echo and blood work for study in 3, 6, and 9 months.

**Final Diagnosis:**

DCM with a component of DMVD

**Heart Failure Classification Score:**

ISACHC Classification:

- Ia
- Ib
- II
- IIIa
- IIIb

ACVIM Classification:

- A
- B1
- B2
- C
- D

M-Mode

IVSd	<b>B6</b>	cm
LVIDd		cm
LVPWd		cm
IVSs		cm
LVIDs		cm
LVPWs		cm
EDV(Teich)		ml
ESV(Teich)		ml
EF(Teich)		%
%FS		%
SV(Teich)		ml
Ao Diam		cm
LA Diam		cm
LA/Ao		
Max LA		cm
TAPSE		cm
EPSS	cm	

M-Mode Normalized

IVSdN	<b>B6</b>	(0.290 - 0.520) !
LVIDdN		(1.350 - 1.730) !

LVPWdN  
IVSsN  
LVIDsN  
LVPWsN  
Ao Diam N  
LA Diam N

B6

(0.330 - 0.530)  
(0.430 - 0.710)  
(0.790 - 1.140) !  
(0.530 - 0.780) !  
(0.680 - 0.890)  
(0.640 - 0.900) !

2D

SA LA  
Ao Diam  
SA LA / Ao Diam  
IVSd  
LVIDd  
LVPWd  
EDV(Teich)  
IVSs  
LVIDs  
LVPWs  
ESV(Teich)  
EF(Teich)  
%FS  
SV(Teich)  
LV Major  
LV Minor  
Sphericity Index  
LVLd LAX  
LVAd LAX  
LVEDV A-L LAX  
LVEDV MOD LAX  
LVLs LAX  
LVAs LAX  
LVESV A-L LAX  
LVESV MOD LAX  
HR  
EF A-L LAX  
LVEF MOD LAX  
SV A-L LAX  
SV MOD LAX  
CO A-L LAX  
CO MOD LAX  
R-R  
HR  
CO A-L LAX  
CO MOD LAX

B6

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l/min  
ms  
BPM  
l/min  
l/min

Doppler

MR Vmax  
MR maxPG  
MVE Vel

B6

m/s  
mmHg  
m/s

MV DecT  
MV Dec Slope  
MV A Vel  
MV E/A Ratio  
E'  
E/E'  
A'  
S'  
AV Vmax  
AV maxPG  
PV Vmax  
PV maxPG  
TR Vmax  
TR maxPG

B6

ms  
m/s  
m/s  
  
m/s  
  
m/s  
m/s  
m/s  
mmHg  
m/s  
mmHg  
m/s  
mmHg

**Notice of Patient Admit**

**Date:** B6 10:55:12 PM  
**Referring Doctor:** B6  
**Client Name:** B6  
**Patient Name:** B6

**Case No:** B6

---

**Dear** B6

Your patient presented to our Emergency service. Please make note of the following information to facilitate communication with our team.

**The attending doctor is:** B6

**The reason for admission to the FHSA is:** resp distress, larp, possible lingual abscess

If you have any questions regarding this particular case, please call 508-887-4988 to reach the ECC Service. Information is updated daily, by noon.

Thank you for your referral to our Emergency Service.

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-8739  
<http://vetmed.tufts.edu/>

**B6**

**B6**

Male (Neutered)

Canine Golden Retriever Golden

**B6**

**B6**

Dear **B6**

Thank you for referring **B6** with their pet **B6**. Please see attached discharges for further information.

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

**B6** (Resident, Emergency & Critical Care)

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-8739  
<http://vetmed.tufts.edu/>

**B6**

**B6**

Male (Neutered)

Canine Golden Retriever Golden

B6

B6

Dear B6

Thank you for referring B6 with their pet B6. He presented with respiratory distress and required intubation and a brief period of ventilation. A mass was noted below his tongue, which was further evaluated with CT, cytology, and biopsies. The findings were consistent with inflammation and possible infection, but no neoplastic cells were seen. The owners would not pursue chemotherapy or radiation regardless, so we are treating conservatively with antibiotics and antiinflammatories. The surgical team did not feel that the area of swelling was something that they could address surgically. B6 did well with supportive care in the hospital. He left the hospital on Monday and has been reportedly breathing very well at home. If his trouble breathing recurs the owner may elect to repeat a CT or biopsies to see if we get a different result, but hopefully he will continue to do well.

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

B6

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-7951  
<http://vetmed.tufts.edu/>

**B6**

**B6**

Male (Neutered)

Canine Golden Retriever Gold

**B6**

**B6**

Dear **B6**

**B6** was presented to the Tufts Emergency Service for evaluation of lethargy that started yesterday. Examination was normal aside from a low grade heart murmur (no arrhythmia, no concern for CHF) and hot spot on the tail base. The client wished for a cardiology consult on emergency today, which could not be accommodated. Recheck bloodwork was offered, given the change in clinical status, which the client declined. We elected to treat his hot spot with cephalexin and he was discharged home to monitor and await his scheduled cardio consult.

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

**B6** DVM (Emergency and Critical Care Resident)



**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

**B6**

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-7951  
<http://vetmed.tufts.edu/>

**B6** Male (Neutered)  
Canine Golden Retriever Gold  
**B6**

**B6**

Dear **B6**

Thank you for referring **B6** with their pet **B6**.

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

John Rush DVM, DACVIM (Cardiology), DACVECC

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6  
**Sent:** 2/24/2019 10:36:57 PM  
**Subject:** Fromm Large Breed Adult dry: Lisa Freeman - EON-380709  
**Attachments:** 2063117-report.pdf; 2063117-attachments.zip

A PFR Report has been received and PFR Event [EON-380709] has been created in the EON System.

A "PDF" report by name "2063117-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2063117-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-380709

**ICSR #:** 2063117

**EON Title:** PFR Event created for Fromm Large Breed Adult dry; 2063117

<b>AE Date</b>	01/29/2019	<b>Number Fed/Exposed</b>	3
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Poodle - Standard		
<b>Age</b>	16 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2063117

**Product Group:** Pet Food

**Product Name:** Fromm Large Breed Adult dry

**Description:** Murmur and arrhythmia ausculted by RDVM. Echoed by another cardiologist who referred to us for study. Eating Fromm Lg Breed Adult (not grain free) so unclear if diet related. Screened other 2 standard poodles in household eating same diet and their hearts were fine. Owners have changed diet for all 3 dogs to Iams MiniChunks and we will recheck in 3 months

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 3

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Fromm Large Breed Adult dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

B6  
B6 USA

To view this PFR Event, please click the link below:

B6

To view the PFR Event Report, please click the link below:

B6

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This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

This email message is intended for the exclusive use of the recipient(s) named above. It may contain information that is protected, privileged, or confidential. Any dissemination, distribution, or copying is strictly prohibited.

The information is provided as part of the Federal-State Integration initiative. As a Commissioned Official and state government official, you are reminded of your obligation to protect non-public information, including trade secret and confidential commercial information that you receive from the U.S. Food and Drug Administration from further disclosure. The information in the report is intended for situational awareness and should not be shared or acted upon independently. Any and all actions regarding this information should be coordinated through your local district FDA office.

Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to [FDAREportableFoods@fda.hhs.gov](mailto:FDAREportableFoods@fda.hhs.gov) immediately.

**Report Details - EON-380709**

ICSR: 2063117  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-02-24 17:31:22 EST

**Reported Problem:**

**Problem Description:** Murmur and arrhythmia ausculted by RDVM. Echoed by another cardiologist who referred to us for study. Eating Fromm Lg Breed Adult (not grain free) so unclear if diet related. Screened other 2 standard poodles in household eating same diet and their hearts were fine. Owners have changed diet for all 3 dogs to Iams MiniChunks and we will recheck in 3 months

**Date Problem Started:** 01/29/2019

**Concurrent Medical Problem:** Yes

**Pre Existing Conditions:** Degenerative myelopathy, arthritis, elevated liver enzymes, multiple skin masses

**Outcome to Date:** Stable

**Product Information:**

**Product Name:** Fromm Large Breed Adult dry

**Product Type:** Pet Food

**Lot Number:**

**Package Type:** BAG

**Product Use Information:** **Description:** Please see diet history for additional details

**Manufacturer /Distributor Information:**

**Purchase Location Information:**

**Animal Information:**

**Name:** B6

**Type Of Species:** Dog

**Type Of Breed:** Poodle - Standard

**Gender:** Male

**Reproductive Status:** Neutered

**Weight:** 24 Kilogram

**Age:** 16 Years

**Assessment of Prior Health:** Good

**Number of Animals Given the Product:** 3

**Number of Animals Reacted:** 1

**Owner Information:**

**Owner Information provided:** Yes

**Contact:**

**Name:** B6

**Phone:** B6

**Email:** B6

**Address:** B6  
United States

**Healthcare Professional Information:**

**Practice Name:** Tufts Cummings School of Veterinary Medicine

**Contact:** **Name:** Lisa Freeman

			<b>Phone:</b> (508) 887-4523
			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	rpt_medical_record_preview.pdf	
	<b>Description:</b>	Medical records	
	<b>Type:</b>	Medical Records	

**All Medical Records**

Client: **B6**  
Address: **B6**

Patient: **B6**  
Breed: Poodle  
DOB: **B6**

Species: Canine  
Sex: Male  
(Neutered)

Home Phone: **B6**  
Work Phone: **B6**  
Cell Phone: ( ) - -

**Referring Information**

**B6**

Client: **B6**  
Patient: **B6**

**Initial Complaint:**

Scanned Record

**Initial Complaint:**

Cardiology New - per Dr. Freeman

SOAP Text **B6** 9:52AM - Rush, John

**Initial Complaint:**

**B6** Blood draw and ECG for DCM study

Client: B6  
Patient:

---

**Disposition/Recommendations**

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Client:  
Patient:

**B6**

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---



Client: **B6**  
Patient:

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

## Foster Hospital for Small Animals

55 Willard Street  
North Grafton, MA 01536  
(508) 839-5395

Client: **B6**  
Veterinarian:  
Patient ID: **B6**  
Visit ID:

Patient:	<b>B6</b> jr
Species:	Canine
Breed:	Poodle
Sex:	Male (Neutered)
Age:	<b>B6</b> Years Old

### Lab Results Report

Accession ID:			
Test	Results	Reference Range	Units



4/24

**B6**

**B6**

Printed Sunday, February 24, 2019

### Vitals Results

<b>B6</b>	1:49:26 PM	Weight (kg)	24.0000
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### Patient History

<b>B6</b>	12:06 PM	Appointment
	08:30 AM	UserForm
	08:30 AM	UserForm
	08:38 AM	UserForm
	09:06 AM	Purchase
	01:49 PM	Vitals
	05:45 PM	UserForm
	04:01 PM	Appointment

**B6**

Client: **B6**  
Patient:

**Patient History**

<b>B6</b>	11:34 AM	Appointment
	09:24 AM	Purchase
	09:25 AM	Purchase
	09:25 AM	Purchase
	10:31 AM	UserForm
	05:20 PM	Appointment
	05:47 PM	Email
	04:30 PM	Purchase

**B6**

**B6**

**B6**

Male (Neutered)

Canine Poodle Beige

Patient ID: **B6**

## STANDARD CONSENT FORM

---

I am the owner, or agent for the owner, of the above described animal and have the authority to execute consent. I hereby authorize the Cummings School of Veterinary Medicine at Tufts University (herein after Cummings School) to prescribe for treatment of said animal according to the following terms and conditions.

Cummings School and its officers, agents and employees will provide such veterinary medical care as they deem reasonable and appropriate under the circumstances.

Cummings School and its officers, agents, and employees will use all reasonable care in the treatment of the above mentioned animal, but will not be liable for any loss or accident that may occur or any disease that may develop as a result of the care and treatment provided.

I understand that the above identified animal may be treated by Cummings School students under the supervision and assistance of Cummings School staff members.

In executing this form, I hereby expressly acknowledge that risks, benefits and alternative forms of treatment have been explained to me. I understand said explanation, and I consent to treatment. Should any additional treatments or diagnostics be required during the continued care of my animal, I understand that I will be given the opportunity to discuss and consent to these additional procedures. I understand that further or additional treatment may be required without an opportunity for discussion and consideration by me, in the case of the development of any life-threatening emergency during the continued care of my animal and I expressly consent to all such reasonable treatment as required. I realize and understand that results cannot be guaranteed.

If any equipment is left with the animal, it will be accepted with the understanding that Cummings School assumes no responsibility for any loss of equipment that may occur.

I agree to pick up the animal when notified that it is ready for release.

In the event the animal is not picked up, and if ten (10) days have expired since a registered letter was sent to the address given above, notifying me to call for the animal, the animal may be sold or otherwise disposed of in a humane manner and the proceeds applied to the charges incurred in caring and treating the animal. Failure to remove said animal will not and does not relieve me from obligation for the costs of services rendered.

I hereby grant to the Cummings School of Veterinary Medicine at Tufts University, its officers and employees (collectively referred to herein as Cummings School), and its agents and assigns (the Grantees) the irrevocable rights to photograph / videotape the operation or procedure to be performed, including appropriate and otherwise use such photographs and images for, and in connection with, a Grantee's medical, scientific, educational, and publicity purposes, by any means, methods and media (print and electronic) now known or, in the future, developed that the Grantee deems appropriate (provided that such photographs and images may not be used in for-profit commercials, unless such commercials are publicizing educational programs at Cummings School). As medical and surgical treatment necessitates the removal of tissue, cells, fluids or body parts of my animal, I authorize the Grantees to dispose of or use these tissues, cells, fluids or body parts for scientific and educational purposes.

I understand that a FINANCE CHARGE will be applied to all accounts unpaid after 30 days. The FINANCE CHARGE is computed on a monthly rate of 1.33% per month, which is an annual percentage rate of 16% applied to the average daily balance outstanding, with a minimum fee of \$50.

I do further agree that should any payment, or the full amount of the sum stated above, become overdue more than 20 days from the above-agreed upon time of payment or payments, the entire balance shall be considered in default and become due and payable. I further agree to be responsible for any or all collection agency and/or attorney fees necessary to collect the full amount.

I do further agree to comply with hours of visitation in conjunction with our Hospital's policy.

I have read, understand, and agree to accept the terms and conditions herein.

Owner's name:  Date:

Owner's address:

**If the individual admitting the animal is someone other than the legal owner,  
please complete the portion below:**

The owner of the animal  has granted me authority to obtain medical treatment and to bind this owner to pay the veterinary medical services provided at Cummings School pursuant to the terms and conditions described above

\_\_\_\_\_  
Authorized Agent - Please Print

\_\_\_\_\_  
Agent's Signature

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Date

\_\_\_\_\_  
Town/City                      State                      Zip

### Discharge Instructions

**Patient**

Name: B6

Species: Canine

Breed: Male (Neutered) Poodle

Birthdate: B6

**Owner**

Name: B6

Address: B6

Patient ID: B6

**Attending Cardiologist:**

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

**Cardiologist Assistant:**

B6

**Cardiology Technician:**

B6

Also Veterinary Nutritionist Dr. Lisa Freeman

Student: B6 V19

Admit Date: B6 10:27:28 AM

Discharge Date: B6

**Diagnoses:** Dilated cardiomyopathy (DCM) with congestive heart failure, ventricular arrhythmias (ventricular tachycardia, ventricular bigeminy), short runs of supraventricular arrhythmias

**Case Summary:**

Thank you for bringing B6 to Tufts Cardiology Service for evaluation of his dilated cardiomyopathy (DCM). This disease is more common in large and giant breed dogs and is characterized by thinning of the walls of the heart, reduced cardiac pump function, and enlargement of the upper chambers of the heart. Many dogs with DCM will also have significant arrhythmias which can be life-threatening and also require medical management. If you notice that B6 breathing rate is faster than normal at home we will want to have chest x-rays taken. B6 also have some arrhythmias that are likely secondary to his heart disease. We will be starting him on some medications to try to limit the arrhythmias that he is experiencing. We would like to adjust B6 diet and we provided some dietary recommendations below.

**Diagnostic test results and findings:**

- **Echocardiogram findings:** The walls of the chambers of his heart are thinner than normal and he has reduced contractile function. The left ventricle and left atrium are dilated.
- **ECG findings:** The ECG showed arrhythmias that are mostly ventricular in origin but there are also some from the upper heart chamber as well.
- **Labwork findings:** We will call you when we have the results of his bloodwork. Most of it should come back

tomorrow, but some of it will take a week or so to return.

**Monitoring at home:**

- We would like you to monitor your dog's breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 breaths per minute. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.
- An increase in breathing rate or effort will usually mean that you should give an extra dose of furosemide (Lasix). If difficulty breathing is not improved by within 30-60 minutes give another dose, and if after giving 2 doses of furosemide then we recommend that a recheck exam be scheduled and/or that your dog be evaluated by an emergency clinic.
- There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

**B6**

**Diet suggestions:**

Dogs with heart failure accumulate more fluid in their body if they eat large amounts of sodium (salt). Sodium can be found in all foods, but some foods are lower in sodium than others. Many pet treats, people foods, and supplements used to give pills often have more sodium than is desirable- a sheet that has suggestions for low sodium treats can be found on the HeartSmart web site (<http://vet.tufts.edu/heartsmart/diet/>)

Your dog's usual diet may also have more sodium than recommended - we want him/her to continue to eat his/her normal diet for the first 7 to 14 days so we can make sure he is tolerating medications well, but after that time we would recommend slowly introducing one of the lower sodium diets on the HeartSmart list (25% of the new diet and 75% old diet for 2-3 days, then 50/50, etc.). Hopefully you can find a diet on the list that your dog likes to eat. Alternatively, if you are attached to the current diet you can research the amount of sodium in the diet to ensure that the sodium content is similar to those on the list.

- o The FDA is currently investigating an apparent association between diet and a type of heart disease called dilated cardiomyopathy. The exact cause is still unclear, but it appears to be associated with boutique diets and those containing exotic ingredient or are grain-free. Therefore, we are currently recommending that dogs do not eat these types of diets.
- o We recommend switching **B6** to commercial diet made by a well-established company that is not grain-free and does not contain any exotic ingredients, such as kangaroo, duck, lamb, venison, lentils, peas, beans, buffalo, tapioca, barley, and chickpeas.
- o The FDA issued a statement regarding this issue (<https://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/uom613305.htm>) and a recent article published by Dr. Lisa Freeman on the Cummings School's Pet Foodology blog can further explain these findings (<http://vetnutrition.tufts.edu/2018/06/a-broken-heart-risk-of-heart-disease-in-boutique-or-grain-free-diets-and-exotic-ingredients/>).
- o Our nutritionists have compiled a list of dog foods that are good options for dogs with heart disease.

#### Dry Food Options:

Royal Canin Early Cardiac (veterinary diet)  
Purina Pro Plan Adult Weight Management  
Purina Pro Plan Bright Mind Adult Small Breed Formula  
Iams Chunks

#### Canned Food Options:

Hill's Science Diet Adult 1-6 Healthy Cuisine Roasted Chicken, Carrot, and Spinach Stew  
Royal Canin Mature 8+

If your dog has special nutritional needs or requires a homecooked diet, we recommend you schedule an appointment with our nutritionists (508-887-4696).

#### Exercise Recommendations:

We recommend limited activity. Leash walking only is ideal, and short walks to start. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

#### Recheck Visits:

Thank you for enrolling **B6** in our clinical study. Ideally **B6** would get an ECG (or an Alivacor reading sent to us) in around two weeks once he has had some time on the anti-arrhythmic medication. It would also be great if you can obtain an Alivacor reading if **B6** has an episode of collapse or abnormal behavior.

A recheck of liver values, kidney values, and electrolytes is recommended in 2-3 weeks and then about 1 month after that, so we can keep an eye on the liver values, kidney values, and potassium. This can be done at your primary care veterinarian.

**B6** is supposed to have an appointment here at Tufts in about 3 months. We will perform an echo, ECG and bloodwork at this time.

Thank you for entrusting us with **B6** care! It was a pleasure to meet you all today and he was a very good boy. Please contact our Cardiology liaison at (508)-887-4696 or email us at [cardiovet@tufts.edu](mailto:cardiovet@tufts.edu) for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information  
<http://vet.tufts.edu/heartsmart/>

---

**Prescription Refill Disclaimer:**

*For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.*

**Ordering Food:**

*Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.*

**Clinical Trials:**

*Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: [vet.tufts.edu/cvmc/clinical-studies](http://vet.tufts.edu/cvmc/clinical-studies)*

---

Case: B6

Owner: B6

Discharge Instructions



**B6**

**B6** Male (Neutered)  
Canine Poodle Beige  
Patient ID: **B6**

**Outside Prescription Log**

1. Date: **B6** left message on voicemail at 5:45pm  
Clinician: John Rush

**B6**  
Pharmacy sent to: **B6** / inside **B6**  
Completed by: **B6**  
Origin of request: Owner and her very **B6**

2. Date: **B6** left message at 8:56am  
Clinician: Rush

**B6**  
Pharmacy sent to: **B6** / inside **B6**  
Completed by: **B6**  
Origin of request: owner price shopping

3. Date:  
Clinician:  
Prescription:  
Pharmacy sent to:  
Completed by:  
Origin of request:

4. Date:  
Clinician:  
Prescription:  
Pharmacy sent to:  
Completed by:  
Origin of request:

5. Date:  
Clinician:  
Prescription:  
Pharmacy sent to:  
Completed by:  
Origin of request:

6. Date:  
Clinician:  
Prescription:  
Pharmacy sent to:  
Completed by:

**Origin of request:**

**7. Date:**

**Clinician:**

**Prescription:**

**Pharmacy sent to:**

**Completed by:**

**Origin of request:**

**8. Date:**

**Clinician:**

**Prescription:**

**Pharmacy sent to:**

**Completed by:**

**Origin of request:**

**9. Date:**

**Clinician:**

**Prescription:**

**Pharmacy sent to:**

**Completed by:**

**Origin of request:**

**10. Date:**

**Clinician:**

**Prescription:**

**Pharmacy sent to:**

**Completed by:**

**Origin of request:**

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

**B6**

Patient ID: B6

B6

Canine

B6 Years Old Male (Neutered) Poodle

Beige

## Cardiology Appointment Report Enrolled in DCM Study

Date: B6

### Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC (PRIMARY)

**B6**

### Cardiology Resident:

B6

### Cardiology Technician:

**B6**

### Presenting Complaint:

DCM diagnosed 1/29/19 by B6 B6 but asymptomatic). Eating BEG diet x 3 years

**B6**

Concurrent Diseases: Arthritis

General Medical History: Liver enzyme elevation

Diet and Supplements: Fromm Large Breed Adult dry

### Cardiovascular History:

Prior CHF diagnosis? no

Prior heart murmur? yes

Prior ATE? no

Prior arrhythmia? yes

Monitoring respiratory rate and effort at home? no

Cough? maybe

Shortness of breath or difficulty breathing? no

Syncope or collapse? no

Sudden onset lameness? chronic lameness and weakness back legs

Exercise intolerance? limited by above

### Current Medications Pertinent to CV System:

**B6**

# B6

## Cardiac Physical Examination:

General PE: Thin, weak, posterior weakness

MM Color and CRT: OK

BCS (1-9): 4

BW (kg): 24.0

Heart rate: 150

Respiratory rate: eupneic vs mildly dyspneic - 28

Temp (if possible):

### Muscle condition:

- Normal
- Mild muscle loss
- Moderate cachexia
- Marked cachexia

## Cardiovascular Physical Exam:

### Murmur Grade:

- None
- I/VI
- II/VI
- III/VI
- IV/VI
- V/VI
- VI/VI

Murmur location/description: left apical

### Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck
- 1/2 way up the neck
- Top 2/3 of the neck

### Arterial pulses:

- Weak
- Fair to
- Good
- Strong
- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other:

### Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats
- Bradycardia
- Tachycardia

### Gallop:

- Yes
- No
- Intermittent
- Pronounced
- Other:

### Pulmonary assessments:

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds
- Pulmonary crackles
- Wheezes
- Upper airway stridor

### Abdominal exam: minimal exam

- Normal
- Hepatomegaly
- Mild ascites
- Marked ascites

- Abdominal distension

**Problems:**

Prior DCM, arrhythmia, +/- cough/gag from laryngeal disease vs other

**Diagnostic plan:**

- Echocardiogram
- Chemistry profile
- ECG
- Renal profile
- Blood pressure
- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests: DCM study testing

**B6**

**Assessment and recommendations:**

DCM with VPCs and APCs and some runs of SVT and ventricular tachycardia. Suspect the cough/gag is related to more chronic laryngeal disease, but the dog is breathing with slightly more effort than normal at rest. DCM may be related to diet or may be unrelated. Recommend continuing **B6** (but maybe at 6.25 since maybe arrhythmias more frequent now than before **B6** vs day-to-day variation?), give furosemide if dyspnea develops, ideally start low dose **B6** if tolerated (potassium is a bit high on recent bloodwork so will have to watch this serially too). The dog has enough arrhythmia that I would likely start an antiarrhythmic today **B6** might be the choice, but the dog has increased liver enzymes - if we start this then follow LFs closely. I am not sure if sotalol would be tolerated. **B6** is T1D and might not get supraventricular ectopy, but this might be an option if amiodarone is not well tolerated. Diet change +/- taurine is recommended. Recheck ECG and kidney values, potassium, and liver enzymes in about 2 weeks. Discussed **B6** option with owners.

**Final Diagnosis:**

DCM with cardiac arrhythmias

**Heart Failure Classification Score:**

ISACHC Classification:

- Ia
- Ib close to II
- II
- IIIa
- IIIb

ACVIM Classification:

- A
- B1
- B2 close to C
- C
- D

M-Mode

IVSd	<b>B6</b>	cm
LVIDd		cm
LVPWd		cm
IVSs		cm
LVIDs		cm
LVPWs		cm
EDV(Teich)		ml
ESV(Teich)		ml
EF(Teich)		%
%FS		%
SV(Teich)		ml
Ao Diam		cm
LA Diam		cm
LA/Ao		
Max LA		cm
TAPSE1		cm

M-Mode Normalized

IVSdN	<b>B6</b>	(0.290 - 0.520)
LVIDdN		(1.350 - 1.730) !
LVPWdN		(0.330 - 0.530)
IVSsN		(0.430 - 0.710)
LVIDsN		(0.790 - 1.140) !
LVPWsN		(0.530 - 0.780) !
Ao Diam N		(0.680 - 0.890)
LA Diam N	(0.640 - 0.900) !	

2D

SA LA	<b>B6</b>	cm
Ao Diam		cm
SA LA / Ao Diam		
IVSd		cm
LVIDd		cm
LVPWd		cm
EDV(Teich)		ml
IVSs		cm
LVIDs		cm
LVPWs		cm
ESV(Teich)		ml
EF(Teich)		%
%FS		%
SV(Teich)		ml
LV Major		cm
LV Minor		cm
Sphericity Index		
LVLd LAX		cm

LVAd LAX  
LVEDV A-L LAX  
LVEDV MOD LAX  
LVLS LAX  
LVA<sub>s</sub> LAX  
LVESV A-L LAX  
LVESV MOD LAX  
HR  
EF A-L LAX  
LVEF MOD LAX  
SV A-L LAX  
SV MOD LAX  
CO A-L LAX  
CO MOD LAX  
R-R  
HR  
CO A-L LAX  
CO MOD LAX

B6

cm  
ml  
ml  
cm  
cm  
ml  
ml  
BPM  
%  
%  
ml  
ml  
l/min  
l/min  
ms  
BPM  
l/min  
l/min

Doppler  
MR Vmax  
MR maxPG  
MV E Vel  
MV DecT  
MV Dec Slope  
MV A Vel  
MV E/A Ratio  
E'  
E/E'  
A'  
S'  
AV Vmax  
AV maxPG  
PV Vmax  
PV maxPG  
TR Vmax  
TR maxPG

B6

m/s  
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m/s  
m/s  
  
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**Discharge Instructions**  
**Cardiology Technician**

**Patient**

Name: B6

Species: Canine

Breed: Male (Neutered) Poodle

Birthdate: B6

**Owner**

Name: B6

Address: B6

Patient ID: B6

**Attending Cardiologist:**

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

**Cardiology Resident:**

B6

**Cardiology Technician:**

B6

Date: B6

We saw B6 today for an ECG and a chemistry panel. We are happy to hear he is doing well at home, although he has been a bit more clingy at night in the last week. Dr. Rush saw a bit more arrhythmia today on his ECG than he would like to see. His bloodwork looked ok, although his liver values are still moderately elevated. He would like to add in a low dose of a beta blocker called B6

**Medications:**

B6



# B6

**Recheck Visits:** A recheck visit is scheduled for

**May 30th at 10:00am**

Thank you for bringing B6 in to see us today, he is such a sweet boy!

Kind Regards,

B6

Thank you for entrusting us with B6 care. Please contact our Cardiology liaison at (508)-887-4696 or email us at [cardiovet@tufts.edu](mailto:cardiovet@tufts.edu) for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

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**Prescription Refill Disclaimer:**

*For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.*

**Ordering Food:**

*Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.*

**Clinical Trials:**

*Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: [vet.tufts.edu/cvmc/clinical-studies](http://vet.tufts.edu/cvmc/clinical-studies)*

---

Case: B6

Owner: B6

Discharge Instructions

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-7951  
<http://vetmed.tufts.edu/>

**B6**

**B6**

Male (Neutered)

Canine Poodle Beige

B6

B6

Dear B6

Thank you for referring B6 with their pet B6

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

John Rush DVM, DACVIM (Cardiology), DACMECC

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

**B6**

Foster Hospital for Small Animals  
55 Willard Street  
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Telephone (508) 839-5395  
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**B6**

Male (Neutered)

Canine Poodle Beige

**B6**

**B6**

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Thank you,

John Rush DVM, DACVIM (Cardiology), DACMECC

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-7951  
<http://vetmed.tufts.edu/>

**B6**

**B6**

Male (Neutered)

Canine, Poodle, Beige

**B6**

**B6**

Dear **B6**

Thank you for referring **B6** with their pet **B6**

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

John Rush DVM, DACVIM (Cardiology), DACMECC

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY

**B6**

Foster Hospital for Small Animals  
55 Willard Street  
North Grafton, MA 01536  
Telephone (508) 839-5395  
Fax (508) 839-7951  
<http://vetmed.tufts.edu/>

**B6** Male (Neutered)  
Canine Poodle Beige  
**B6**

**B6**

Dear **B6**

Thank you for referring **B6** with their pet **B6**

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

John Rush DVM, DACVIM (Cardiology), DACMECC

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6  
**Sent:** 2/24/2019 9:32:37 PM  
**Subject:** Poulin Pro Form Lamb and Rice Adult Maintenance Dry: Lisa Freeman - EON-380706  
**Attachments:** 2063113-report.pdf; 2063113-attachments.zip

A PFR Report has been received and PFR Event [EON-380706] has been created in the EON System.

A "PDF" report by name "2063113-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2063113-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-380706

**ICSR #:** 2063113

**EON Title:** PFR Event created for Poulin Pro Form Lamb and Rice Adult Maintenance Dry; 2063113

<b>AE Date</b>	12/22/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Irish Wolfhound		
<b>Age</b>	6 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2063113

**Product Group:** Pet Food

**Product Name:** Poulin Pro Form Lamb and Rice Adult Maintenance Dry

**Description:** Had pneumonia in September 2018; re-presented in December 2018 when arrhythmias were noted. Cardiology consult identified arrhythmias and reduced contractile function (and eating BEG diet). Unclear whether this was primary problem or secondary to systemic illness. Rechecked by cardiology 2/5/19 and still had arrhythmia and reduced contractility. NT-proBNP and cTnI elevated. Owner already changed diet in January to Purina Pro Plan Chicken and Rice so will continue on this diet and will recheck in 3 months.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Poulin Pro Form Lamb and Rice Adult Maintenance Dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6** USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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Report Details - EON-380706		
ICSR:	2063113	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2019-02-24 16:24:11 EST	
Reported Problem:	<b>Problem Description:</b> Had pneumonia in September 2018; re-presented in December 2018 when arrhythmias were noted. Cardiology consult identified arrhythmias and reduced contractile function (and eating BEG diet). Unclear whether this was primary problem or secondary to systemic illness. Rechecked by cardiology 2/5/19 and still had arrhythmia and reduced contractility. NT-proBNP and cTnI elevated. Owner already changed diet in January to Purina Pro Plan Chicken and Rice so will continue on this diet and will recheck in 3 months.	
	<b>Date Problem Started:</b> 12/22/2018	
	<b>Concurrent Medical Problem:</b> Yes	
	<b>Pre Existing Conditions:</b> Pneumonia Sept and Dec 2018	
	<b>Outcome to Date:</b> Stable	
Product Information:	<b>Product Name:</b> Poulin Pro Form Lamb and Rice Adult Maintenance Dry	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Package Type:</b> BAG	
	<b>Product Use Information:</b> <b>Description:</b> Please see diet history form for more details	
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	
Animal Information:	<b>Name:</b> B6	
	<b>Type Of Species:</b> Dog	
	<b>Type Of Breed:</b> Irish Wolfhound	
	<b>Gender:</b> Female	
	<b>Reproductive Status:</b> Intact	
	<b>Pregnancy Status:</b> Not Pregnant	
	<b>Lactation Status:</b> Not lactating	
	<b>Weight:</b> 60.5 Kilogram	
	<b>Age:</b> 6 Years	
	<b>Assessment of Prior Health:</b> Good	
	<b>Number of Animals Given the Product:</b> 1	
	<b>Number of Animals Reacted:</b> 1	
	<b>Owner Information:</b>	<b>Owner Information provided:</b> Yes
		<b>Contact:</b> <b>Name:</b> B6
		<b>Phone:</b> B6
<b>Email:</b> B6		
<b>Address:</b> B6		

			<b>B6</b> United States	
<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine		
	<b>Contact:</b>	<b>Name:</b>	Lisa Freeman	
		<b>Phone:</b>	(508) 887-4523	
		<b>Email:</b>	lisa.freeman@tufts.edu	
<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States			
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman		
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States		
	<b>Contact:</b>	<b>Phone:</b>	5088874523	
		<b>Email:</b>	lisa.freeman@tufts.edu	
	<b>Permission To Contact Sender:</b>	Yes		
<b>Preferred Method Of Contact:</b>	Email			
<b>Additional Documents:</b>	<b>Attachment:</b>	cbc and profile.pdf		
	<b>Description:</b>	Will send by email		
	<b>Type:</b>	Medical Records		



# Tufts Cummings School Of Veterinary Medicine

200 Westboro Road  
North Grafton, MA 01536

DUPLICATE

Name/DOB:	<b>B6</b>	Sex:	F	Provider:	<b>B6</b>
Patient ID:	<b>B6</b>	Age:	6	Order Location:	<b>B6</b> Investigation into
Phone number:		Species:	Canine	Sample ID:	<b>B6</b>
Collection Date:	<b>B6</b> 12:44 PM	Breed:	Irish Wolfhound		
Approval date:	<b>B6</b> 2:27 PM				

## CBC, Comprehensive, Sm Animal (Research)

SLOPEZ		Ref. Range/Females
WBC (ADVIA)	<b>B6</b>	4.40-15.10 K/uL
RBC (Advia)	<b>B6</b>	5.80-8.50 M/uL
Hemoglobin (ADVIA)	<b>B6</b>	13.3-20.5 g/dL
Hematocrit (Advia)	H <b>B6</b>	39-55 %
MCV (ADVIA)	<b>B6</b>	64.5-77.5 fL
MCH (ADVIA)	<b>B6</b>	21.3-25.9 pg
CHCM	<b>B6</b>	
MCHC (ADVIA)	<b>B6</b>	31.9-34.3 g/dL
RDW (ADVIA)	<b>B6</b>	11.9-15.2
Platelet Count (Advia)	<b>B6</b>	173-486 K/uL
<b>B6</b> 2:26 PM	<b>B6</b> platelets per 100x field (estimated count of 200,000-500,000/uL)	
Mean Platelet Volume (Advia)	<b>B6</b>	8.29-13.20 fl
<b>B6</b> 1:09 PM	Platelet clumps (if present) and sample age (greater than 4 hours) can result in a falsely increased MPV.	
Platelet Crit	<b>B6</b>	0.129-0.403 %
<b>B6</b> 1:09 PM	Platelet Crit is invalid when clumped platelets are present. Interpretation of PltCt is unclear in species other than canines.	
PDW	<b>B6</b>	
Reticulocyte Count (Advia)	<b>B6</b>	0.20-1.60 %
Absolute Reticulocyte Count (Advia)	<b>B6</b>	14.7-113.7 K/uL
CHr	<b>B6</b>	
MCVr	<b>B6</b>	

## Microscopic Exam of Blood Smear (Advia)

SLOPEZ		Ref. Range/Females
Seg Neuts (%)	<b>B6</b>	43-86 %
Lymphocytes (%)	<b>B6</b>	7-47 %
Monocytes (%)	<b>B6</b>	1-15 %
Eosinophils (%)	<b>B6</b>	0-16 %
Seg Neutrophils (Abs) Advia	<b>B6</b>	2.800-11.500 K/uL
Lymphs (Abs) Advia	L <b>B6</b>	1.00-4.80 K/uL
Mono (Abs) Advia	<b>B6</b>	0.10-1.50 K/uL
Eosinophils (Abs) Advia	<b>B6</b>	0.00-1.40 K/uL
WBC Morphology	<b>B6</b>	
Poikilocytosis	<b>B6</b>	

## Research Chemistry Profile - Small Animal (Cobas)

Sample ID: **B6**  
This report continues... (Final)

Reviewed by: \_\_\_\_\_



# Tufts Cummings School Of Veterinary Medicine

200 Westboro Road  
North Grafton, MA 01536

DUPLICATE

Name/DOB:	<b>B6</b>	Sex:	F	Provider:	<b>B6</b>
Patient ID:	<b>B6</b>	Age:	6	Order Location:	<b>B6</b> Investigation into
Phone number:		Species:	Canine	Sample ID:	<b>B6</b>
Collection Date:	<b>B6</b> 12:44 PM	Breed:	Irish Wolfhound		
Approval date:	<b>B6</b> 2:27 PM				

## Research Chemistry Profile - Small Animal (Cobas) (cont'd)

		Ref. Range/Females
SMACHUNSKI		
Glucose		67-135 mg/dL
Urea		8-30 mg/dL
Creatinine		0.6-2.0 mg/dL
Phosphorus		2.6-7.2 mg/dL
Calcium 2		9.4-11.3 mg/dL
Magnesium 2+		1.8-3.0 mEq/L
Total Protein		5.5-7.8 g/dL
Albumin		2.8-4.0 g/dL
Globulins	L	2.3-4.2 g/dL
A/G Ratio	H	0.7-1.6
Sodium		140-150 mEq/L
Chloride		106-116 mEq/L
Potassium		3.7-5.4 mEq/L
tCO2(Bicarb)	<b>B6</b>	14-28 mEq/L
AGAP		8.0-19.0
NA/K		29-40
Total Bilirubin		0.10-0.30 mg/dL
Alkaline Phosphatase		12-127 U/L
GGT		0-10 U/L
ALT		14-86 U/L
AST		9-54 U/L
Creatine Kinase		22-422 U/L
Cholesterol		82-355 mg/dL
Triglycerides		30-338 mg/dl
Amylase	L	409-1250 U/L
Osmolality (calculated)		291-315 mmol/L
Comments (Chemistry)	<b>B6</b>	

Sample ID: **B6**  
REPRINT: Orig. printing on **B6** (Final)

Reviewed by: \_\_\_\_\_  
Page 2

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6  
**Sent:** 2/24/2019 9:40:39 PM  
**Subject:** Purina One Smart Blend Lamb and Rice dry: Lisa Freeman - EON-380707  
**Attachments:** 2063114-report.pdf; 2063114-attachments.zip

A PFR Report has been received and PFR Event [EON-380707] has been created in the EON System.

A "PDF" report by name "2063114-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2063114-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-380707

**ICSR #:** 2063114

**EON Title:** PFR Event created for Purina One Smart Blend Lamb and Rice dry; 2063114

<b>AE Date</b>	08/01/2018	<b>Number Fed/Exposed</b>	3
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Worse/Declining/Deteriorating
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	<span style="border: 1px dashed black; padding: 2px;">B6</span> Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2063114

**Product Group:** Pet Food

**Product Name:** Purina One Smart Blend Lamb and Rice dry

**Description:** DCM and CHF diagnosed Aug 2018 We saw 1/11/19 - CHF still not well controlled Eating Purina Lamb and Rice - unlikely to be associated with DCM but reporting just in case Owner is now changing to different diet and will recheck in 3 months 2 other dogs eating same diet - we have not screened them yet. BNP = B6 troponin B6 but taurine normal B6 plasma B6 whole blood)

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Worse/Declining/Deteriorating

**Number of Animals Treated With Product:** 3

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Purina One Smart Blend Lamb and Rice dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

B6  
B6 USA

To view this PFR Event, please click the link below:

B6

To view the PFR Event Report, please click the link below:

B6

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Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to [FDAREportableFoods@fda.hhs.gov](mailto:FDAREportableFoods@fda.hhs.gov) immediately.

**Report Details - EON-380707**

ICSR: 2063114  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-02-24 16:31:40 EST

**Reported Problem:**  
**Problem Description:** DCM and CHF diagnosed Aug 2018 We saw 1/11/19 - CHF still not well controlled Eating Purina Lamb and Rice - unlikely to be associated with DCM but reporting just in case Owner is now changing to different diet and will recheck in 3 months 2 other dogs eating same diet - we have not screened them yet. BNP = **B6**, troponin **B6** but taurine normal **B6** asma **B6** (hole blood)  
**Date Problem Started:** 08/01/2018  
**Concurrent Medical Problem:** No  
**Outcome to Date:** Worse/Declining/Deteriorating

**Product Information:**  
**Product Name:** Purina One Smart Blend Lamb and Rice dry  
**Product Type:** Pet Food  
**Lot Number:**  
**Product Use Information:** **Description:** 1/2 cup twice daily since a puppy See diet history for additional details  
**Manufacturer /Distributor Information:**  
**Purchase Location Information:**

**Animal Information:**  
**Name:** **B6**  
**Type Of Species:** Dog  
**Type Of Breed:** Doberman Pinscher  
**Gender:** Male  
**Reproductive Status:** Neutered  
**Weight:** 29.9 Kilogram  
**Age:** **B6** Years  
**Assessment of Prior Health:** Excellent  
**Number of Animals Given the Product:** 3  
**Number of Animals Reacted:** 1  
**Owner Information:**  
**Owner Information provided:** Yes  
**Contact:** **Name:** **B6**  
**Phone:** **B6**  
**Email:** **B6**  
**Address:** **B6**  
 United States  
**Healthcare Professional Information:**  
**Practice Name:** Tufts Cummings School of Veterinary Medicine  
**Contact:** **Name:** Lisa Freeman  
**Phone:** (508) 887-4523  
**Email:** lisa.freeman@tufts.edu

		<b>Address:</b> 200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
	<b>Contact:</b>	<b>Phone:</b> 5088874523
		<b>Email:</b> lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes
<b>Preferred Method Of Contact:</b>	Email	
<b>Additional Documents:</b>	<b>Attachment:</b>	rpt_medical_record_preview B6 df
	<b>Description:</b>	Medical records
	<b>Type:</b>	Medical Records



**All Medical Records**

Client: **B6**  
Address: **B6**

Patient: **B6**  
Breed: Doberman  
DOB: **B6**

Species: Canine  
Sex: Male  
(Neutered)

Home Phone: **B6**  
Work Phone: ( ) -  
Cell Phone: **B6**

**Referring Information**

**B6**

Client: **B6**  
Patient: **B6**

**Initial Complaint:**

Scanned Record

**Initial Complaint:**

New **B6** - CHF

SOAP Text **B6** 5:37PM **B6**

**Initial Complaint:**

Chem 21 **B6**

SOAP Text **B6** 3:04PM **B6**

**Disposition/Recommendations**

Client:  
Patient:

**B6**

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Client: **B6**  
Patient: **B6**

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

## Foster Hospital for Small Animals

55 Willard Street  
North Grafton, MA 01536  
(508) 839-5395

Client: **B6**  
Veterinarian:  
Patient ID: **B6**  
Visit ID:

Patient:	<b>B6</b>
Species:	Canine
Breed:	Doberman
Sex:	Male (Neutered)
Age:	<b>B6</b> Years Old

### Lab Results Report

Accession ID:			
Test	Results	Reference Range	Units



3/3

**B6**

**B6**

Printed Sunday, February 24, 2019

### Vitals Results

<b>B6</b>	4:07:45 PM	Weight (kg)
	4:43:10 PM	Nursing note
	3:12:02 PM	Weight (kg)

**B6**

---

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification  
**Sent:** 2/24/2019 11:56:39 PM  
**Subject:** Solid Gold Mighty Mini Beef: Lisa Freeman - EON-380716  
**Attachments:** 2063119-report.pdf; 2063119-attachments.zip

**B6**

A PFR Report has been received and PFR Event [EON-380716] has been created in the EON System.

A "PDF" report by name "2063119-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2063119-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-380716

**ICSR #:** 2063119

**EON Title:** PFR Event created for Solid Gold Mighty Mini Beef Sweet Potato and Apple grain free dry; 2063119

<b>AE Date</b>	01/02/2019	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Chihuahua		
<b>Age</b>	9 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2063119

**Product Group:** Pet Food

**Product Name:** Solid Gold Mighty Mini Beef, Sweet Potato, and Apple grain free dry

**Description:** Has been regularly rechecked after PDA occlusion. Progressive reduction in left ventricular contractile function noted on most recent echo. Eating BEG diet. Owner changed to Royal Canin Early Cardiac diet and we will recheck in April

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Solid Gold Mighty Mini Beef, Sweet Potato, and Apple grain free dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-380716**

ICSR: 2063119  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-02-24 18:45:24 EST

**Reported Problem:**  
**Problem Description:** Has been regularly rechecked after PDA occlusion. Progressive reduction in left ventricular contractile function noted on most recent echo. Eating BEG diet. Owner changed to Royal Canin Early Cardiac diet and we will recheck in April  
**Date Problem Started:** 01/02/2019  
**Concurrent Medical Problem:** Yes  
**Pre Existing Conditions:** PDA - occluded 2016; overweight  
**Outcome to Date:** Stable

**Product Information:**  
**Product Name:** Solid Gold Mighty Mini Beef, Sweet Potato, and Apple grain free dry  
**Product Type:** Pet Food  
**Lot Number:**  
**Package Type:** BAG  
**Product Use Information:** **Description:** 1/4 cup kibble (divided into 2 meals) 1 tbsp cooked chicken BID Owner switched to Weight Control version of same diet (salmon, lentil, green bean) just a few days before visit  
**Manufacturer /Distributor Information:**  
**Purchase Location Information:**

**Animal Information:**  
**Name:** B6  
**Type Of Species:** Dog  
**Type Of Breed:** Chihuahua  
**Gender:** Female  
**Reproductive Status:** Neutered  
**Weight:** 3.72 Kilogram  
**Age:** 9 Years  
**Assessment of Prior Health:** Good  
**Number of Animals Given the Product:** 1  
**Number of Animals Reacted:** 1  
**Owner Information:** **Owner Information provided:** Yes  
**Contact:** **Name:** B6  
**Phone:** B6  
**Email:** B6  
**Address:** B6  
 United States  
**Healthcare Professional Information:** **Practice Name:** Tufts Cummings School of Veterinary Medicine  
**Contact:** **Name:** Lisa Freeman

			<b>Phone:</b> (508) 887-4523	
			<b>Email:</b> lisa.freeman@tufts.edu	
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman		
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States		
	<b>Contact:</b>	<b>Phone:</b>	5088874523	
		<b>Email:</b>	lisa.freeman@tufts.edu	
	<b>Permission To Contact Sender:</b>	Yes		
<b>Preferred Method Of Contact:</b>	Email			
<b>Additional Documents:</b>	<b>Attachment:</b>	T_26346.pdf		
	<b>Description:</b>	Taurine - will send rest of records by email (too large)		
	<b>Type:</b>	Laboratory Report		

26346

# Amino Acid Laboratory Sample Submission Form

Amino Acid Laboratory, 1089 Veterinary Medicine Drive, Davis, Ca 95616

Telephone: 530-752-5058, Fax: 530-752-4698

Email: [ucd.aminoacid.lab@ucdavis.edu](mailto:ucd.aminoacid.lab@ucdavis.edu)

[www.vetmed.ucdavis.edu/labs/amino-acid-laboratory](http://www.vetmed.ucdavis.edu/labs/amino-acid-laboratory)

**B6**

Veterinarian Contact: **B6**

Clinic/Company Name: **Tufts Cummings School of Vet. Med. - Clinical Pathology Laboratory**

Address: **200 Westboro Road, North Grafton MA 015369**

Email: **Clinpath@tufts.edu / cardiovet@tufts.edu**

Telephone: **B6** Fax: **508-839-7936**

Billing Contact: **B6** Email: **B6**

Billing Contact Phone: **B6** Tax ID: \_\_\_\_\_

Patient Name: **B6** Species: **canine**

Breed: **Chihuahua** Owner's Name: **B6**

Current Diet: **solid Gold Weebites**

Sample type: Plasma **Whole Blood** Urine Food Other \_\_\_\_\_

Test: **Taurine** Complete Amino Acids Other: \_\_\_\_\_

## Taurine Results (lab use only)

Plasma: \_\_\_\_\_ Whole Blood: **B6** Urine: \_\_\_\_\_ Food: \_\_\_\_\_

	Plasma (nMol/ml)		Whole Blood (nMol/ml)	
	Normal Range	No known risk for deficiency	Normal Range	No known risk for deficiency
Cat	<b>80-120</b>	<b>&gt;40</b>	<b>300-600</b>	<b>&gt;200</b>
Dog	<b>60-120</b>	<b>&gt;40</b>	<b>200-350</b>	<b>&gt;150</b>

\* Please note with the recent increase in the number of dogs screened for taurine deficiency, we are seeing dogs with values within the reference ranges (or above the "no known risk for deficiency range") yet are still exhibiting signs of cardiac disease. Veterinarians are welcome to contact our laboratory for assistance in evaluating your patient's results.



**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6  
**Sent:** 2/24/2019 11:24:38 PM  
**Subject:** Taste of the Wild Sierra Mountain Dry: Lisa Freeman - EON-380714  
**Attachments:** 2063118-report.pdf; 2063118-attachments.zip

A PFR Report has been received and PFR Event [EON-380714] has been created in the EON System.

A "PDF" report by name "2063118-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2063118-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-380714

**ICSR #:** 2063118

**EON Title:** PFR Event created for Taste of the Wild Sierra Mountain Dry; 2063118

<b>AE Date</b>	01/14/2019	<b>Number Fed/Exposed</b>	7
<b>Best By Date</b>		<b>Number Reacted</b>	2
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	5 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2063118

**Product Group:** Pet Food

**Product Name:** Taste of the Wild Sierra Mountain Dry

**Description:** BEG diet being fed to B6 dogs. We evaluated her other dog B6 who had a murmur and elevated BNP, with reduced contractility and elevated troponin found on exam (see previous report - 2061171). Owner worried about this dog's breathing so we screened her and found reduced contractility, elevated troponin, but normal BNP. Changing diet on both dogs to Pro Plan Sensitive Skin/Stomach Salmon and will recheck in 3 months Other dogs we have not screened: B6 Labrador 5 years old B6 Golden 3 1/2 years old B6 Golden 3 years old B6 Golden 3 years 5 months B6 Golden 3 years 9 months

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 7

**Number of Animals Reacted With Product:** 2

Product Name	Lot Number or ID	Best By Date
Taste of the Wild Sierra Mountain Dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**  
USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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you received this email in error, please send an email to [FDAREportableFoods@fda.hhs.gov](mailto:FDAREportableFoods@fda.hhs.gov) immediately.

Report Details - EON-380714	
ICSR:	2063118
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-02-24 18:16:40 EST
Reported Problem:	<b>Problem Description:</b> BEG diet being fed to <b>B6</b> dogs. We evaluated her other dog, <b>B6</b> , who had a murmur and elevated BNP, with reduced contractility and elevated troponin found on exam (see previous report - 2061171). Owner worried about this dog's breathing so we screened her and found reduced contractility, elevated troponin, but normal BNP. Changing diet on both dogs to Pro Plan Sensitive Skin/Stomach Salmon and will recheck in 3 months Other dogs we have not screened: <b>B6</b> Labrador 5 years old, <b>B6</b> Golden 3 1/2 years old, <b>B6</b> Golden 3 years old, <b>B6</b> Golden 3 years 5 months, <b>B6</b> Golden 3 years 9 months
	<b>Date Problem Started:</b> 01/14/2019
	<b>Concurrent Medical Problem:</b> No
	<b>Outcome to Date:</b> Stable
Product Information:	<b>Product Name:</b> Taste of the Wild Sierra Mountain Dry <b>Product Type:</b> Pet Food <b>Lot Number:</b> <b>Package Type:</b> BAG <b>Product Use Information:</b> <b>Description:</b> Please see diet history for additional information <b>Manufacturer /Distributor Information:</b> <b>Purchase Location Information:</b>
	<b>Animal Information:</b> <b>Name:</b> <b>B6</b> <b>Type Of Species:</b> Dog <b>Type Of Breed:</b> Retriever - Golden <b>Gender:</b> Female <b>Reproductive Status:</b> Neutered <b>Weight:</b> 25.8 Kilogram <b>Age:</b> 5 Years <b>Assessment of Prior Health:</b> Excellent <b>Number of Animals Given the Product:</b> 7 <b>Number of Animals Reacted:</b> 2 <b>Owner Information:</b> <b>Owner Information provided:</b> Yes <b>Contact:</b> <b>Name:</b> <b>B6</b> <b>Phone:</b> <b>B6</b> <b>Email:</b> <b>B6</b> <b>Address:</b> <b>B6</b> United States <b>Healthcare Professional Practice Name:</b> Tufts Cummings School of Veterinary Medicine

	<b>Information:</b>	<b>Contact:</b>	<b>Name:</b> Lisa Freeman
			<b>Phone:</b> (508) 887-4523
			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	rpt_medical_record_preview.pdf	
	<b>Description:</b>	Medical records	
	<b>Type:</b>	Medical Records	

---

**From:** Related PFR Event <pfrsignificantactivitycreation@fda.hhs.gov>  
**To:** Carey, Lauren; Cleary, Michael \*; HQ Pet Food Report Notification;  
B6  
**Sent:** 3/20/2019 9:20:46 PM  
**Subject:** CANIDAE- ALL LIFE STAGES-CHICKEN MEAL & RICE FORMULA--DRY  
DOG FOOD: Lisa Freeman - EON-382878  
**Attachments:** 2064335-report.pdf; 2064335-attachments.zip

A PFR Report has been received and Related PFR Event [EON-382878] has been created in the EON System.

A "PDF" report by name "2064335-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2064335-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-382878

**ICSR #:** 2064335

**EON Title:** Related PFR Event created for CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD; 2064335

<b>AE Date</b>	02/25/2019	<b>Number Fed/Exposed</b>	3
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	B6 years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2064335

**Product Group:** Pet Food

**Product Name:** CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD

**Description:** DCM and CHF diagnosed 2/25/19. Eating BEG diet. 2 other dogs in household will be screened. Will change diet on B6 and reassess in 3 months. Just being discharged today. Taurine and troponin pending

**Submission Type:** Followup

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 3

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD		

This report is linked to:

**Initial EON Event Key:** EON-381040

**Initial ICSR:** 2063286

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**

To view this Related PFR Event, please click the link below:

**B6**

To view the Related PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-382878**

ICSR:	2064335
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-20 17:15:18 EDT
Initial Report Date:	02/27/2019
Parent ICSR:	2063286
Follow-up Report to FDA Request:	Yes

Reported Problem:	<b>Problem Description:</b>	DCM and CHF diagnosed 2/25/19. Eating BEG diet. 2 other dogs in household will be screened. Will change diet on <b>B6</b> and reassess in 3 months. Just being discharged today. Taurine and troponin pending
	<b>Date Problem Started:</b>	02/25/2019
	<b>Concurrent Medical Problem:</b>	Yes
	<b>Pre Existing Conditions:</b>	Lick granulomas
	<b>Outcome to Date:</b>	Stable

Product Information:	<b>Product Name:</b>	CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD
	<b>Product Type:</b>	Pet Food
	<b>Lot Number:</b>	
	<b>Product Use Information:</b>	<b>Description:</b> Fed this diet most of his life
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	

Animal Information:	<b>Name:</b>	<b>B6</b>		
	<b>Type Of Species:</b>	Dog		
	<b>Type Of Breed:</b>	Doberman Pinscher		
	<b>Gender:</b>	Male		
	<b>Reproductive Status:</b>	Intact		
	<b>Weight:</b>	60 Kilogram		
	<b>Age:</b>	<b>B6</b> Years		
	<b>Assessment of Prior Health:</b>	Excellent		
	<b>Number of Animals Given the Product:</b>	3		
	<b>Number of Animals Reacted:</b>	1		
	<b>Owner Information:</b>	<b>Owner Information provided:</b>	Yes	
		<b>Contact:</b>	<b>Name:</b>	<b>B6</b>
			<b>Phone:</b>	
<b>Email:</b>				
<b>Address:</b>	<b>B6</b>			
		United States		

<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine		
	<b>Contact:</b>	<b>Name:</b>	Lisa Freeman	
		<b>Phone:</b>	(508) 887-4523	
		<b>Email:</b>	lisa.freeman@tufts.edu	
<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States			
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman		
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States		
	<b>Contact:</b>	<b>Phone:</b>	5088874523	
		<b>Email:</b>	lisa.freeman@tufts.edu	
	<b>Permission To Contact Sender:</b>	Yes		
	<b>Preferred Method Of Contact:</b>	Email		
<b>Reported to Other Parties:</b>	None			
<b>Additional Documents:</b>	<b>Attachment:</b>	Taurine level 2-25-19.pdf		
	<b>Description:</b>	UCDavis Taurine Panel		
	<b>Type:</b>	Laboratory Report		
	<b>Attachment:</b>	Chemistry 3-8-19.pdf		
	<b>Description:</b>	Chemistry panel		
	<b>Type:</b>	Laboratory Report		
	<b>Attachment:</b>	Diet history 3-8-19.pdf		
	<b>Description:</b>	Diet history 3-8-19		
	<b>Type:</b>	Record		
	<b>Attachment:</b>	Troponin level 3-6-19.pdf		
	<b>Description:</b>	Texas A and M Troponin		
	<b>Type:</b>	Laboratory Report		
	<b>Attachment:</b>	Diet history 2-26-19.pdf		
	<b>Description:</b>	Diet history 2-26-19		
	<b>Type:</b>	Record		



**Tufts Cummings School Of Veterinary Medicine**

200 Westboro Road  
North Grafton, MA 01536

DUPLICATE

Name/DOB: <b>B6</b> (5/15/2015)	Sex: M	Provider: <b>B6</b>
Patient ID: <b>B6</b>	Age: 3	Order Location: V320559: Investigation into
Phone number:	Species: Canine	Sample ID: 1903080084
Collection Date: 3/8/2019 1:35 PM	Breed: Doberman Pinscher	
Approval date: 3/8/2019 3:27 PM		

**Research Chemistry Profile - Small Animal (Cobas)**

		Ref. Range/Males
TFRANK		
Glucose		67-135 mg/dL
Urea		8-30 mg/dL
Creatinine		0.6-2.0 mg/dL
Phosphorus		2.6-7.2 mg/dL
Calcium 2		9.4-11.3 mg/dL
Magnesium 2+	L	1.8-3.0 mEq/L
Total Protein		5.5-7.8 g/dL
Albumin		2.8-4.0 g/dL
Globulins		2.3-4.2 g/dL
A/G Ratio		0.7-1.6
Sodium		140-150 mEq/L
Chloride	L	106-116 mEq/L
Potassium		3.7-5.4 mEq/L
tCO2(Bicarb)		14-28 mEq/L
AGAP	H	8.0-19.0
NA/K		29-40
Total Bilirubin		0.10-0.30 mg/dL
Alkaline Phosphatase		12-127 U/L
GGT		0-10 U/L
ALT		14-86 U/L
AST		9-54 U/L
Creatine Kinase		22-422 U/L
Cholesterol	H	82-355 mg/dL
Triglycerides		30-338 mg/dl
Amylase		409-1250 U/L
Osmolality (calculated)	L	291-315 mmol/L

**B6**

Sample ID: 1903080084/1  
REPRINT: Orig. printing on 3/8/2019 (Final)

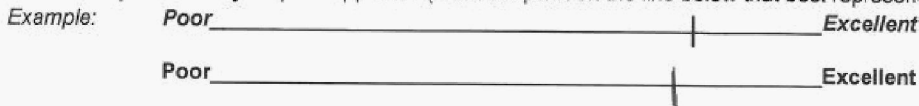
Reviewed by: \_\_\_\_\_

**CARDIOLOGY DIET HISTORY FORM**

Please answer the following questions about your pet

Pet's name: **B6** Owner's name: **B6** Today's date: 2/26/2019

1. How would you assess your pet's appetite? (mark the point on the line below that best represents your pet's appetite)



2. Have you noticed a change in your pet's appetite over the last 1-2 weeks? (check all that apply)  
 Eats about the same amount as usual  Eats less than usual  Eats more than usual  
 Seems to prefer different foods than usual  Other \_\_\_\_\_

3. Over the last few weeks, has your pet (check one)  
 Lost weight  Gained weight  Stayed about the same weight  Don't know

1. Please list below ALL pet foods, people food, treats, snack, dental chews, rawhides, and any other food item that your pet currently eats and that you have fed in the last 2 years.

Please provide enough detail that we could go to the store and buy the exact same food - examples are shown in the table

Food (include specific product and flavor)	Form	Amount	How often?	Dates fed
Nutro Grain Free Chicken, Lentil, & Sweet Potato Adult	dry	1 1/2 cup	2x/day	Jan 2016-present
85% lean hamburger	microwaved	3 oz	1x/week	June - Aug 2016
Pupperoni original beef flavor	treat	1/2	1x/day	Sept 2016-present
Rawhide	treat	6 inch twist	1x/week	Dec 2018-present
Carnidae All Life Stages - Multi-Protein Formula	dry	2-2.5 cups	2x/day	2015 - present
Carnidae Grain Free PUPP	wet	2-3 tbs	1-2x/day	2016 - present
Milk Bone Soft + Chewy - Beef + Filet Mignon	treat	1	1x/day	2015 - present
RtCo Treat bar	treat	1-2	1x/day	2015 - present
Charlie Bear - Turkey liver + cranberries	treat	2-3	1-2 x/day	2017 - present
Table scraps			1x/day	2015 - present

\*Any additional diet information can be listed on the back of this sheet

2. Do you give any dietary supplements to your pet (for example: vitamins, glucosamine, fatty acids, or any other supplements)?  Yes  No If yes, please list which ones and give brands and amounts:

	Brand/Concentration	Amount per day
Taurine <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Carnitine <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Antioxidants <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Multivitamin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Fish oil <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Coenzyme Q10 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Other (please list):		
Example: Vitamin C	Nature's Bounty	500 mg tablets - 1 per day
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. How do you administer pills to your pet?

- I do not give any medications
- put them directly in my pet's mouth without food
- I put them in my pet's dog/cat food
- put them in a Pill Pocket or similar product
- I put them in foods (list foods): Cheese, different meats

\* Canidae Grain Free Pure: it comes in different flavors

- "Sea": Salmon + Mackerel
- "Elements": Lamb, turkey, and chicken
- "Foundations": chicken
- "Sky": Duck + turkey
- "Land": Lamb

Amount: about a spoon full or two on top of his dry food

\* We have always fed **B6** table scraps from dinner, putting about a tablespoon on top of his dry food. This includes different meats: chicken, steak, lamb, etc. The dogs usually had some of whatever we had for dinner.

**CARDIOLOGY DIET HISTORY FORM**  
Please answer the following questions about your pet

Pet's name: **B6** Owner's name: **B6** Today's date: 3/8/19

- How would you assess your pet's appetite? (mark the point on the line below that best represents your pet's appetite)  
Example: Poor \_\_\_\_\_ | \_\_\_\_\_ Excellent  
Poor \_\_\_\_\_ | \_\_\_\_\_ Excellent
- Have you noticed a change in your pet's appetite over the last 1-2 weeks? (check all that apply)  
 Eats about the same amount as usual     Eats less than usual     Eats more than usual  
 Seems to prefer different foods than usual     Other \_\_\_\_\_
- Over the last few weeks, has your pet (check one)  
 Lost weight     Gained weight     Stayed about the same weight     Don't know
- Please list below ALL pet foods, people food, treats, snack, dental chews, rawhides, and any other food item that your pet currently eats. Please include the brand, specific product, and flavor so we know exactly what you pet is eating.

Examples are shown in the table – please provide enough detail that we could go to the store and buy the exact same food.

Food (include specific product and flavor)	Form	Amount	How often?	Fed since
Nutro Grain Free Chicken, Lentil, & Sweet Potato Adult	dry	1 1/2 cup	2x/day	Jan 2018
85% lean hamburger	microwaved	3 oz	1x/week	Jan 2015
Pupperoni original beef flavor	treat	1/2	1x/day	Aug 2015
Rawhide	treat	6 inch twist	1x/week	Dec 2015
Canidae All Stages of Life	dry	2-2 1/2 cups	2x/day	2015
Winn-Dixie sensitive skin + stomach - Salmon	dry	2 cups	2x/day	Feb. 2019
Milk-bone Chewy	treat	1	1x/day	2015
Charlee Bear - Turkey liver + cranberry	Treat	GRAND 2	4-6x/day	2015

*mixed*

\*Any additional diet information can be listed on the back of this sheet

- Do you give any dietary supplements to your pet (for example: vitamins, glucosamine, fatty acids, or any other supplements)?  Yes  No If yes, please list which ones and give brands and amounts:  

Taurine	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Brand/Concentration	Amount per day
Carnitine	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	2 twice a day
Antioxidants	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Multivitamin	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Fish oil	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Coenzyme Q10	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Other (please list):			
Example: Vitamin C		Nature's Bounty	500 mg tablets – 1 per day

- How do you administer pills to your pet?  
 I do not give any medications  
 I put them directly in my pet's mouth without food  
 I put them in my pet's dog/cat food  
 I put them in a Pill Pocket or similar product  
 I put them in foods (list foods): \_\_\_\_\_

27557 PL ①  
WB ②

B6

**Amino Acid Laboratory Sample Submission Form**

Amino Acid Laboratory, 1089 Veterinary Medicine Drive, Davis, Ca 95616  
 Telephone: 530-752-5058, Fax: 530-752-4698  
 Email: [ucd.aminoacid.lab@ucdavis.edu](mailto:ucd.aminoacid.lab@ucdavis.edu)  
[www.vetmed.ucdavis.edu/labs/amino-acid-laboratory](http://www.vetmed.ucdavis.edu/labs/amino-acid-laboratory)

Veterinarian Contact:           B6          

Clinic/Company Name: Tufts Cummings School of Vet. Med. - Clinical Pathology Laboratory

Address: 200 Westboro Road, North Grafton, MA 015369

Email:           B6          @tufts.edu           cardiovet@tufts.edu          

Telephone:           B6          

Fax:           B6          

Billing Contact:           B6          

Email:           B6          @tufts.edu

Billing Contact Phone:           B6          

Tax ID: \_\_\_\_\_

Patient Name:           B6          

Species:           CANINE          

Breed:           Doberman          

Owner's Name:           B6          

Current Diet:           CANIDAE          

Sample type:           Plasma Whole Blood           Urine Food Other \_\_\_\_\_

Test:           Taurine           Complete Amino Acids Other: \_\_\_\_\_

Taurine Results (lab use only)

B6

 Urine: \_\_\_\_\_ Food: \_\_\_\_\_

	Plasma (nMol/ml)		Whole Blood (nMol/ml)	
	Normal Range	No known risk for deficiency	Normal Range	No known risk for deficiency
Cat	80-120	>40	300-600	>200
Dog	60-120	>40	200-350	>150

\* Please note with the recent increase in the number of dogs screened for taurine deficiency, we are seeing dogs with values within the reference ranges (or above the "no known risk for deficiency range") yet are still exhibiting signs of cardiac disease. Veterinarians are welcome to contact our laboratory for assistance in evaluating your patient's results.



**Gastrointestinal Laboratory**  
**Dr. J.M. Steiner**  
**Department of Small Animal Clinical Sciences**  
**Texas A&M University**  
**4474 TAMU**  
**College Station, TX 77843-4474**



**Website User ID:** clinpath@tufts.edu

**GI Lab Assigned Clinic ID:** 11405

**Dr:** B6  
 Tufts University-Clinical Pathology Lab  
**Attn:** B6  
 200 Westboro Road  
 North Grafton, MA 01536  
 USA

**Phone:** 508 887 4669  
**Fax:** 9 508 839 7936  
**Animal Name:**  
**Owner Name:** B6  
**Species:** Canine  
**Date Received:** Mar 06, 2019

**Tufts University-Clinical Pathology Lab**  
**Tracking Number:**

**GI Lab Accession:** B6

Interpretation: Increased troponin I value. If clinical signs of heart disease are present, additional diagnostic work-up is recommended. Patients who are being supplemented with biotin may exhibit a slightly higher ultra-sensitive troponin result (10% or lower); however, the ability of the assay to detect serial increases or decreases of ultra-sensitive troponin is maintained.

**Comments:**

**GI Lab Contact Information**

Phone: (979) 862-2861  
 Fax: (979) 862-2864

Email: gilab@cvm.tamu.edu  
 vetmed.tamu.edu/gilab



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**From:** Related PFR Event <pfrsignificantactivitycreation@fda.hhs.gov>  
**To:** Carey, Lauren; Cleary, Michael \*; HQ Pet Food Report Notification;  
B6  
**Sent:** 3/20/2019 9:44:47 PM  
**Subject:** CANIDAE- ALL LIFE STAGES-CHICKEN MEAL & RICE FORMULA--DRY  
DOG FOOD: Lisa Freeman - EON-382884  
**Attachments:** 2064340-report.pdf; 2064340-attachments.zip

A PFR Report has been received and Related PFR Event [EON-382884] has been created in the EON System.

A "PDF" report by name "2064340-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2064340-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-382884

**ICSR #:** 2064340

**EON Title:** Related PFR Event created for CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD; 2064340

<b>AE Date</b>	02/25/2019	<b>Number Fed/Exposed</b>	3
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	B6 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2064340

**Product Group:** Pet Food

**Product Name:** CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD

**Description:** DCM and CHF diagnosed 2/25/19. Eating BEG diet. 2 other dogs in household will be screened. Will change diet on B6 and reassess in 3 months. Just being discharged today. Taurine and troponin pending

**Submission Type:** Followup

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 3

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD		

This report is linked to:

**Initial EON Event Key:** EON-381040

**Initial ICSR:** 2063286

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6** USA

To view this Related PFR Event, please click the link below:

**B6**

To view the Related PFR Event Report, please click the link below:

**B6**

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This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

This email message is intended for the exclusive use of the recipient(s) named above. It may contain information that is protected, privileged, or confidential. Any dissemination, distribution, or copying is strictly prohibited.

The information is provided as part of the Federal-State Integration initiative. As a Commissioned Official and state government official, you are reminded of your obligation to protect non-public information, including trade secret and confidential commercial information that you receive from the U.S. Food and Drug Administration from further disclosure. The information in the report is intended for situational awareness and should not be

shared or acted upon independently. Any and all actions regarding this information should be coordinated through your local district FDA office.

Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to [FDAREportableFoods@fda.hhs.gov](mailto:FDAREportableFoods@fda.hhs.gov) immediately.

**Report Details - EON-382884**

ICSR:	2064340
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-20 17:37:37 EDT
Initial Report Date:	02/27/2019
Parent ICSR:	2063286
Follow-up Report to FDA Request:	Yes

Reported Problem:	<b>Problem Description:</b>	DCM and CHF diagnosed 2/25/19. Eating BEG diet. 2 other dogs in household will be screened. Will change diet on <b>B6</b> and reassess in 3 months. Just being discharged today. Taurine and troponin pending
	<b>Date Problem Started:</b>	02/25/2019
	<b>Concurrent Medical Problem:</b>	Yes
	<b>Pre Existing Conditions:</b>	Lick granulomas
	<b>Outcome to Date:</b>	Stable

Product Information:	<b>Product Name:</b>	CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD
	<b>Product Type:</b>	Pet Food
	<b>Lot Number:</b>	
	<b>Product Use Information:</b>	<b>Description:</b> Fed this diet most of his life
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	

Animal Information:	<b>Name:</b>	<b>B6</b>		
	<b>Type Of Species:</b>	Dog		
	<b>Type Of Breed:</b>	Doberman Pinscher		
	<b>Gender:</b>	Male		
	<b>Reproductive Status:</b>	Intact		
	<b>Weight:</b>	60 Kilogram		
	<b>Age:</b>	<b>B6</b> years		
	<b>Assessment of Prior Health:</b>	Excellent		
	<b>Number of Animals Given the Product:</b>	3		
	<b>Number of Animals Reacted:</b>	1		
	<b>Owner Information:</b>	<b>Owner Information provided:</b>	Yes	
		<b>Contact:</b>	<b>Name:</b>	<b>B6</b>
			<b>Phone:</b>	<b>B6</b>
<b>Email:</b>			<b>B6</b>	
<b>Address:</b>	<b>B6</b>			
		United States		

	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine
		<b>Contact:</b>	<b>Name:</b> Lisa Freeman
			<b>Phone:</b> (508) 887-4523
			<b>Email:</b> lisa.freeman@tufts.edu
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
	<b>Preferred Method Of Contact:</b>	Email	
<b>Reported to Other Parties:</b>	None		
<b>Additional Documents:</b>	<b>Attachment:</b>	Cardio reports 3-8-19.pdf	
	<b>Description:</b>	Cardiology Appointment Report 3-8-19	
	<b>Type:</b>	Medical Records	
	<b>Attachment:</b>	ECG 3-8-19.pdf	
	<b>Description:</b>	ECG 3-8-19	
	<b>Type:</b>	Medical Records	
	<b>Attachment:</b>	B6 BNP 2-25-19.pdf	
	<b>Description:</b>	B6 NT-proBNP 2-25-19	
	<b>Type:</b>	Laboratory Report	

B6

Discharge Instructions

Patient

Name: B6  
Species: Canine  
Black Male Doberman Pinscher  
Birthdate: B6

Owner

Name: B6  
Address: B6

Patient ID: 438113

Attending Cardiologist:

John E. Bush, DVM, MS, DACVIM (Cardiology), DACVECC

B6

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: B6

Admit Date: 3/8/2019 1:03:15 PM

Discharge Date: 3/8/2019

Diagnoses:

Dilated Cardiomyopathy with Congestive Heart Failure

Case Summary:

Thank you for bringing B6 to the Tufts Cardiology Service for a recheck of his heart disease. We are happy to hear B6 appetite has recently improved at home, although he unfortunately does not enjoy his new diet.

Today we performed an electrocardiogram (ECG) to monitor his heart rate and rhythm. He has a normal rhythm and there was no evidence of an arrhythmia (abnormal rhythm). We also looked quickly at his chest and heart with the ultrasound and there was no evidence of free fluid in his chest, which is excellent!

As discussed, B6 taurine levels were normal, which means he does not require his taurine supplementation. If he is taking his supplementation readily, you may continue the supplementation if desired.

We also took a blood sample to monitor his kidney and liver values. We will call you with these results when they return, either later today or tomorrow, and recommend any needed changes to his medications. We hope that B6 continues to improve at home!

Monitoring at Home:

We would like you to monitor B6 breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort. In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 to 40 breaths per minute. In addition, the breathing effort,

noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled. An increase in breathing rate or effort will usually mean that you should give an extra dose of **B6** if difficulty breathing is not improved within 30-60 minutes after giving extra furosemide then we recommend that a recheck exam be scheduled and/or that **B6** be evaluated by an emergency clinic. There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).

**Diet Suggestions:**

We sent you home with Royal Canin Early Cardiac today. Please slowly mix this food in with his old food to transition his diet. We hope that he likes this food, but please contact us if you would like to try another diet (below are other possibilities).

**Dry Food Options:**

Royal Canin Early Cardiac (veterinary diet)

Royal Canin Boxer

Purina Pro Plan Adult Weight Management

Purina Pro Plan Bright Mind Adult Small Breed Formula

**Canned Food Options:**

Hill's Science Diet Adult Beef and Barley Entree

Hill's Science Diet Adult 1-6 Healthy Cuisine Roasted Chicken, Carrot, and Spinach Stew

Royal Canin Mature 8+

If your dog has special nutritional needs or requires a homecooked diet, we recommend you schedule an appointment with our nutritionists (508-887-4696).

**Exercise Recommendations:**

As **B6** heart failure has improved, you may start taking him on longer leash walks. However, if you find that **B6** is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future.

Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

**B6**

**Recheck Visits:**

**B6** will need a recheck in 3 months for an echocardiogram and bloodwork. We may also reassess his heart rhythm with an ECG at this appointment and a recheck echocardiogram.

Thank you for entrusting us with **B6**'s care. Please contact our Cardiology liaison at (508)-887-4696 or email us at [cardiovet@tufts.edu](mailto:cardiovet@tufts.edu) for scheduling and non-emergent questions or concerns.

Sincerely,

Dr. **B6**

Please visit our HeartSmart website for more information

**Prescription Refill Disclaimer:**

*For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.*

**Ordering Food:**

*Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.*

**Clinical Trials:**

*Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: [vet.tufts.edu/cvmc/clinical-studies](http://vet.tufts.edu/cvmc/clinical-studies)*

---

Case B6

Owner B6

Discharge Instructions



**B6**

Patient ID: 438113  
Dexter Canine  
**B6** Years Old Male Doberman Pinscher  
Black

**Cardiology Appointment Report**

**Date:** 3/8/2019

**Attending Cardiologist:**

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

**B6**

**Cardiology Resident:**

**B6**  
(primary)

**Cardiology Technician:**

**B6**

**Student:** **B6**

**Presenting Complaint:** Recheck DCM with CHF

**Concurrent Diseases:** Chronic skin issues

**General Medical History:**

Hospitalized from **B6** for coughing and increased RR/RE - diagnosed with DCM and CHF. Doing well since last here. Owner tried to switch his food and adding in new food, but he won't eat the new food, spits out those pieces. Since getting home his appetite wasn't that great, but over the last 1-2 days his appetite has finally gotten back to normal. RR at rest is usually around 25 brpm. When sleeping and awake he is shaking more than he used to. His urine stream is much slower since he has been home. Urinating frequently (2-3 times overnight). Activity is normal, has always been "lazy" and hasn't changed.

**Diet and Supplements:**

New food - Purina Sensitive Skin and Stomach  
Previous diet - Canidae

**Cardiovascular History:**

Prior CHF diagnosis? Y  
Prior heart murmur? N  
Prior ATE? N  
Prior arrhythmia?

Monitoring respiratory rate and effort at home? Y

Cough? N

Shortness of breath or difficulty breathing? N

Syncope or collapse? N

Sudden onset lameness? N

Exercise intolerance? N

**Current Medications Pertinent to CV System:**

**B6**

**Cardiac Physical Examination:**

General PE: cutaneous sores on feet  
from chronic licking

MM Color and CRT: pink, CRT <2 sec

BCS (1-9): 6/9

BW (kg): 54.4 kg

Heart rate: 120 bpm

Respiratory rate: 16 bpm to panting

Temp (if possible):

**Muscle condition:**

Normal

Mild muscle loss

Moderate cachexia

Marked cachexia

**Cardiovascular Physical Exam:**

**Murmur Grade:**

- |  |                                |
|--|--------------------------------|
| <input type="checkbox"/> None              | <input type="checkbox"/> IV/VI |
| <input type="checkbox"/> I/VI              | <input type="checkbox"/> V/VI  |
| <input type="checkbox"/> II/VI             | <input type="checkbox"/> VI/VI |
| <input checked="" type="checkbox"/> III/VI |                                |

**Murmur location/description:** Right apical, systolic

**Jugular vein:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Bottom 1/3 of the neck | <input type="checkbox"/> 1/2 way up the neck |
| <input type="checkbox"/> Middle 1/3 of the neck            | <input type="checkbox"/> Top 2/3 of the neck |

**Arterial pulses:**

- |  |   |
|--|---|
| <input type="checkbox"/> Weak            | <input type="checkbox"/> Bounding         |
| <input checked="" type="checkbox"/> Fair | <input type="checkbox"/> Pulse deficits   |
| <input type="checkbox"/> Good            | <input type="checkbox"/> Pulsus paradoxus |
| <input type="checkbox"/> Strong          | <input type="checkbox"/> Other:           |

**Arrhythmia:**

- |   |                                      |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> None  | <input type="checkbox"/> Bradycardia |
| <input type="checkbox"/> Sinus arrhythmia | <input type="checkbox"/> Tachycardia |
| <input type="checkbox"/> Premature beats  |                                      |

**Gallop:**

- |  |                                     |
|--|-------------------------------------|
| <input type="checkbox"/> Yes           | <input type="checkbox"/> Pronounced |
| <input checked="" type="checkbox"/> No | <input type="checkbox"/> Other:     |
| <input type="checkbox"/> Intermittent  |                                     |

**Pulmonary assessments:**

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Eupneic          | <input type="checkbox"/> Pulmonary crackles   |
| <input type="checkbox"/> Mild dyspnea                | <input type="checkbox"/> Wheezes              |
| <input type="checkbox"/> Marked dyspnea              | <input type="checkbox"/> Upper airway stridor |
| <input checked="" type="checkbox"/> Normal BV sounds |   |

**Abdominal exam:**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Normal    | <input type="checkbox"/> Mild ascites   |
| <input type="checkbox"/> Hepatomegaly         | <input type="checkbox"/> Marked ascites |
| <input type="checkbox"/> Abdominal distension |   |

**Problems:**

DCM with CHF  
History of Atrial fibrillation  
Grade III/VI Right sided systolic heart murmur

**Differential diagnoses:**

Murmur - r/o tricuspid regurgitation (secondary to DCM vs valvular disease) vs pulmonic stenosis

**Diagnostic plan:**

- |   |   |
|---|---|
| <input type="checkbox"/> Echocardiogram           | <input type="checkbox"/> Dialysis profile     |
| <input type="checkbox"/> Chemistry profile        | <input type="checkbox"/> Thoracic radiographs |
| <input checked="" type="checkbox"/> ECG           | <input type="checkbox"/> NT-proBNP            |
| <input checked="" type="checkbox"/> Renal profile | <input type="checkbox"/> Troponin I           |
| <input type="checkbox"/> Blood pressure           | <input type="checkbox"/> Other tests:         |

**Echocardiogram Findings:**

**General/2-D findings: \*\*Fluid check\*\***

No evidence of pleural effusion.

**ECG findings:**

Normal sinus rhythm with no evidence of atrial fibrillation today.

**Assessment and recommendations:**

The patient has been doing well at home since the last appointment and the owner estimates that he is 85% back to his normal self. They tried switching him to the Purina sensitive skin and stomach but he didn't like the food and is back to his previous food. His RR and RE have been within normal limits and the owner do not have any issues giving the medications. Today **B6** looked very good! There was no pleural effusion and he remains in sinus rhythm. We submitted some bloodwork to reassess his kidney and liver values today and decide if we need to adjust any of his current cardiac medications. We also send him home with a bag of Royal Canin Early Cardiac diet. Recheck echocardiogram is recommended in 3 months or sooner if the patient develops clinical signs consistent with worsening heart disease.

**Final Diagnosis:**

- DCM with history of active CHF

**Heart Failure Classification Score:**

ISACHC Classification:

- |  |                               |
|--|-------------------------------|
| <input type="checkbox"/> Ia            | <input type="checkbox"/> IIIa |
| <input type="checkbox"/> Ib            | <input type="checkbox"/> IIIb |
| <input checked="" type="checkbox"/> II |                               |

ACVIM Classification:

- |                             |                                       |
|-----------------------------|---------------------------------------|
| <input type="checkbox"/> A  | <input checked="" type="checkbox"/> C |
| <input type="checkbox"/> B1 | <input type="checkbox"/> D            |
| <input type="checkbox"/> B2 |                                       |

Client: **B6**  
Patient:

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**ECG from Cardio**

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**B6**

3/8/2019 2:51:01 PM

Page 1 of 2

Tufts University  
Tufts Cummings School of Vet Med  
Cardiology

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**B6**

Client: **B6**  
Patient:

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**ECG from Cardio**

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**B6**

3/8/2019 2:51:01 PM

Page 2 of 2

Tufts University  
Tufts Cummings School of Vet Med  
Cardiology

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**B6**

**B6**

NP - 2/25/2019

**B6**

Reference Laboratories

Client: NATAUPSKY

**B6**

Client: **B6**  
Patient: **B6**  
Species: CANINE  
Breed: DOBERMAN\_PINSCH  
Gender: MALE  
Age: 3Y

Date: 02/25/2019  
Requisition:  
Accession: **B6**  
Ordered by: **B6**

IDEXX VetConnect 1-888-433-9967  
TUFTS UNIVERSITY  
200 WESTBORO RD  
NORTH GRAFTON, Massachusetts 01536  
508-839-5395  
Account #88933

CARDIOPET proBNP - CANINE

Test	Result	Reference Range	Low	Normal	High
CARDIOPET proBNP - CANINE	<b>B6</b>	0 - 900 pmol/L			<b>HIGH</b>

**B6**

Please note: Complete interpretive comments for all concentrations of Cardiotet proBNP are available in the online directory of services. Serum specimens received at room temperature may have decreased NT-proBNP concentrations.

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [REDACTED] **B6**  
**Sent:** 3/21/2019 12:20:27 PM  
**Subject:** FROMM Salmon Tunalini; [REDACTED] **B6** - EON-382921  
**Attachments:** 2064347-report.pdf

A PFR Report has been received and PFR Event [EON-382921] has been created in the EON System.

A "PDF" report by name "2064347-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-382921

**ICSR #:** 2064347

**EON Title:** PFR Event created for FROMM Salmon Tunalini; 2064347

<b>AE Date</b>	03/04/2019	<b>Number Fed/Exposed</b>	
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Unknown
<b>Breed</b>	Sheepdog - Shetland		
<b>Age</b>	6 Years		
<b>District Involved</b>	PFR- [REDACTED] <b>B6</b> DO		

**Product information**

**Individual Case Safety Report Number:** 2064347

**Product Group:** Pet Food

**Product Name:** FROMM Salmon Tunalini

**Description:** HISTORY: [REDACTED] **B6** a 6 Yrs. 7 Mos., Spayed Female, Sheepdog, Shetland, was presented on 3/4/2019 for cardiac evaluation. The owner reports that [REDACTED] **B6** was diagnosed with a small paramembranous VSD in 2013- no cardiac chamber enlargement was noted at that time. The owner adopted her from the breeder 2 years ago and has not had an echocardiogram rechecked. No coughing, no syncope, and no other clinical signs are noted. The owner reports that [REDACTED] **B6** is in need of anesthesia and dental cleaning. No unusual coughing, sneezing, vomiting or diarrhea. No polyuria/polydypsia. Appetite and activity level normal. [REDACTED] **B6** is fed Fromm salmon diet. She is current on vaccines and heartworm prevention. She has a history of DJD in her hip and a prior left coxofemoral joint injury that [REDACTED] **B6** had previously evaluated and recommended medical



management. Current Medications **B6** Previous  
 Diagnostics: 1/23/2013 - Echocardiogram: Small indistinctly margined approximately 2.7 mm defect in the upper portion of the interventricular septum, just below the mitral & tricuspid valves. Small jet of turbulent blood flow from left ventricle to right ventricle at site of defect. Velocity of turbulent jet measured 4.82 m/s, corresponding to a pressure gradient of 93.1 mm Hg. FS at that time was wnl at 31%. No cardiac chamber enlargement was noted. A grade 3/6 heart murmur was also noted on exam. Physical Exam HR: 130; RR: 24 Weight: 19.5 lb/8.86 kg Pertinent PE Findings: mm pink, CRT < 2 seconds, no jugular venous distention or abnormal jugular pulses, no murmur, no arrhythmias, lungs clear, pulses good. Skin normal. Musculoskeletal system normal. Normal peripheral lymph nodes Diagnostics ECG: normal sinus rhythm on lead II ECG during echocardiogram Doppler Blood Pressure: 144 mm Hg; # 3 cuff LF Echocardiogram: IVSd: 0.68 cm LVIDd: 3.02 cm LVPWd: 0.69 cm IVSs: 0.80 cm LVDs: 2.56 cm LVPWs: 0.78 cm %FS: 15 % EPSS: 0.76 cm Ao: 1.5 cm LAD: 1.6 cm LA/Ao: 1.08 AV Vmax: 0.92 m/s PV Vmax: 0.77 m/s MV Evel: 0.56 m/s MV Avel: 0.46 m/s MV E/A ratio: 1.21 E': 0.06 m/s Comments: A small defect measuring 2 mm was noted within the paramembranous interventricular septum with a small band of tissue visualized spanning the defect. No flow was noted crossing the defect with color flow Doppler. 2D/M-MODE: Left ventricle: Chamber size: mildly increased end-diastolic dimensions; moderately increased end-systolic dimensions - Free wall thickness: normal - IVS thickness: normal - Shortening fraction: moderately to severely decreased - Global wall movement: hypokinetic - E point to septal separation: increased Left atrial size: normal Right ventricle: Chamber size: normal - Global wall movement: normal Right atrial size: normal Mitral valve leaflets: normal Tricuspid valve leaflets: normal Aortic valve leaflets: normal Pulmonic valve leaflets: normal Aortic root: normal Aortic root motion: normal Main pulmonary artery: normal No evidence of pericardial or pleural effusion. CFD/PWD/CWD: - Mitral regurgitation: none - Mitral inflows: normal - Mitral annulus motion (TDI): normal - Tricuspid regurgitation: none - LVOT: normal flow pattern and velocities. - Aortic insufficiency: none - RVOT: normal flow pattern and velocities. - Pulmonic insufficiency: none Diagnosis: Dilated cardiomyopathy - r/o diet-associated vs. idiopathic History of small paramembranous VSD- no flow noted across this defect on exam today Treatment/Medications We discussed performing a bubble study today, which the owner elected not to pursue at this time. We would like to recheck **B6** in 3 months to recheck her echocardiogram. I would recommend transitioning **B6** off of her current diet to either Royal Canin, Science Diet or Purina. Please start the following: Supplements (see handout for brand recommendations) Taurine 500 mg tablets: give 1 tablet by mouth every 12 hours. L-carnitine 500 mg tablets: give 1 tablet by mouth every 8 hours with food.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Unknown

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
FROMM Salmon Tunalini		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-382921**

<b>ICSR:</b>	2064347
<b>Type Of Submission:</b>	Initial
<b>Report Version:</b>	FPSR.FDA.PETF.V.V1
<b>Type Of Report:</b>	Adverse Event (a symptom, reaction or disease associated with the product)
<b>Reporting Type:</b>	Voluntary
<b>Report Submission Date:</b>	2019-03-21 08:13:45 EDT

<b>Reported Problem:</b>	<p><b>Problem Description:</b> HISTORY: [B6] a 6 Yrs. 7 Mos., Spayed Female, Sheepdog, Shetland, was presented on 3/7/2019 for cardiac evaluation. The owner reports that [B6] was diagnosed with a small paramembranous VSD in 2013- no cardiac chamber enlargement was noted at that time. The owner adopted her from the breeder 2 years ago and has not had an echocardiogram rechecked. No coughing, no syncope, and no other clinical signs are noted. The owner reports that [B6] is in need of anesthesia and dental cleaning. No unusual coughing, sneezing, vomiting or diarrhea. No polyuria/polydypsia. Appetite and activity level normal. [B6] is fed Fromm salmon diet. She is current on vaccines and heartworm prevention. She has a history of DJD in her hip and a prior left coxofemoral joint injury that Dr. [B6] had previously evaluated and recommended medical management.</p> <p><b>Current Medications:</b> [B6]</p> <p><b>Previous Diagnostics:</b> 1/23/2013 - Echocardiogram: Small indistinctly margined approximately 2.7 mm defect in the upper portion of the interventricular septum, just below the mitral &amp; tricuspid valves. Small jet of turbulent blood flow from left ventricle to right ventricle at site of defect. Velocity of turbulent jet measured 4.82 m/s, corresponding to a pressure gradient of 93.1 mm Hg. FS at that time was wnl at 31%. No cardiac chamber enlargement was noted. A grade 3/6 heart murmur was also noted on exam. Physical Exam HR: 130; RR: 24 Weight: 19.5 lb/8.86 kg Pertinent PE Findings: mm pink, CRT &lt; 2 seconds, no jugular venous distention or abnormal jugular pulses, no murmur, no arrhythmias, lungs clear, pulses good. Skin normal. Musculoskeletal system normal. Normal peripheral lymph nodes</p> <p><b>Diagnostics ECG:</b> normal sinus rhythm on lead II ECG during echocardiogram</p> <p><b>Doppler Blood Pressure:</b> 144 mm Hg; # 3 cuff LF</p> <p><b>Echocardiogram:</b> IVSd: 0.68 cm LVIdd: 3.02 cm LVPWd: 0.69 cm IVSs: 0.80 cm LVDs: 2.56 cm LVPWs: 0.78 cm %FS: 15 % EPSS: 0.76 cm Ao: 1.5 cm LAD: 1.6 cm LA /Ao: 1.08 AV Vmax: 0.92 m/s PV Vmax: 0.77 m/s MV Evel: 0.56 m/s MV Avel: 0.46 m/s MV E/A ratio: 1.21 E': 0.06 m/s</p> <p><b>Comments:</b> A small defect measuring 2 mm was noted within the paramembranous interventricular septum with a small band of tissue visualized spanning the defect. No flow was noted crossing the defect with color flow Doppler. 2D/M-MODE: Left ventricle: Chamber size: mildly increased end-diastolic dimensions; moderately increased end-systolic dimensions - Free wall thickness: normal - IVS thickness: normal - Shortening fraction: moderately to severely decreased - Global wall movement: hypokinetic - E point to septal separation: increased Left atrial size: normal Right ventricle: Chamber size: normal - Global wall movement: normal Right atrial size: normal Mitral valve leaflets: normal Tricuspid valve leaflets: normal Aortic valve leaflets: normal Pulmonic valve leaflets: normal Aortic root: normal Aortic root motion: normal Main pulmonary artery: normal No evidence of pericardial or pleural effusion. CFD/PWD/CWD: - Mitral regurgitation: none - Mitral inflows: normal - Mitral annulus motion (TDI): normal - Tricuspid regurgitation: none - LVOT: normal flow pattern and velocities. - Aortic insufficiency: none - RVOT: normal flow pattern and velocities. - Pulmonic insufficiency: none</p> <p><b>Diagnosis:</b> Dilated cardiomyopathy - r/o diet-associated vs. idiopathic History of small paramembranous VSD- no flow noted across this defect on exam today</p> <p><b>Treatment /Medications</b> We discussed performing a bubble study today, which the owner elected not to pursue at this time. We would like to recheck [B6] in 3 months to recheck her echocardiogram. I would recommend transitioning [B6] off of her current diet to either Royal Canin, Science Diet or Purina. Please start the following: Supplements (see handout for brand recommendations) Taurine 500 mg tablets: give 1 tablet by mouth every 12 hours. L-carnitine 500 mg tablets: give 1 tablet by mouth every 8 hours with food.</p>
<b>Date Problem Started:</b>	03/04/2019
<b>Concurrent Medical Problem:</b>	Yes
<b>Pre Existing Conditions:</b>	Pet had previously been diagnosed with a Ventricular Septal Defect in 2013 at about 5 months of age.
<b>Outcome to Date:</b>	Unknown

<b>Product Information:</b>	<b>Product Name:</b>	FROMM Salmon Tunalini	
	<b>Product Type:</b>	Pet Food	
	<b>Lot Number:</b>		
	<b>Product Use Information:</b>		
	<b>Manufacturer /Distributor Information:</b>		
	<b>Purchase Location Information:</b>		
<b>Animal Information:</b>	<b>Name:</b>	B6	
	<b>Type Of Species:</b>	Dog	
	<b>Type Of Breed:</b>	Sheepdog - Shetland	
	<b>Gender:</b>	Female	
	<b>Reproductive Status:</b>	Neutered	
	<b>Weight:</b>	8.86 Kilogram	
	<b>Age:</b>	6 Years	
	<b>Number of Animals Reacted:</b>	1	
	<b>Owner Information:</b>	<b>Owner Information provided:</b> No	
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6
		<b>Contact:</b>	<b>Name:</b> B6 <b>Phone:</b>
		<b>Type of Veterinarian:</b>	Primary/regular veterinarian
		<b>Practice Name:</b>	B6
		<b>Contact:</b>	<b>Name:</b> B6 <b>Phone:</b>
<b>Type of Veterinarian:</b>		Primary/regular veterinarian	
<b>Sender Information:</b>	<b>Name:</b>	B6	
	<b>Address:</b>	B6 United States	
	<b>Contact:</b>	<b>Phone:</b> <b>Email:</b> B6	
	<b>Reporter Wants to Remain Anonymous:</b>	No	
	<b>Permission To Contact Sender:</b>	Yes	
	<b>Preferred Method Of Contact:</b>	Email	
<b>Additional Documents:</b>			

---

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 12/27/2018 3:56:41 PM  
**Subject:** Homecooked diet - see diet history in medical record: Lisa Freeman - EON-374789  
**Attachments:** 2060600-report.pdf; 2060600-attachments.zip

A PFR Report has been received and PFR Event [EON-374789] has been created in the EON System.

A "PDF" report by name "2060600-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060600-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-374789

**ICSR #:** 2060600

**EON Title:** PFR Event created for Homecooked diet - see diet history in medical record; 2060600

<b>AE Date</b>	11/15/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	[B6] Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2060600

**Product Group:** Other

**Product Name:** Homecooked diet - see diet history in medical record

**Description:** Arrhythmia identified at primary care vet on 11/15/18. Evaluated at Tufts 12/5/18 and diagnosed DCM with VPCs and APCs. Eating unbalanced homecooked diet. WB taurine [B6] (plasma not measured because owner had started taurine supplementation). Owner was recommended to change diet and we will recheck in 3 months

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Homecooked diet - see diet history in medical record		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**  
USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

---

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**Report Details - EON-374789**

**ICSR:** 2060600  
**Type Of Submission:** Initial  
**Report Version:** FPSR.FDA.PETF.V.V1  
**Type Of Report:** Adverse Event (a symptom, reaction or disease associated with the product)  
**Reporting Type:** Voluntary  
**Report Submission Date:** 2018-12-27 10:47:28 EST

**Reported Problem:**

<b>Problem Description:</b>	Arrhythmia identified at primary care vet on 11/15/18. Evaluated at Tufts 12/5/18 and diagnosed DCM with VPCs and APCs. Eating unbalanced homecooked diet WB taurine (B6 plasma not measured because owner had started taurine supplement (tau). Owner was recommended to change diet and we will recheck in 3 months
<b>Date Problem Started:</b>	11/15/2018
<b>Concurrent Medical Problem:</b>	Yes
<b>Pre Existing Conditions:</b>	History of anaplasma, von Willebrand disease, skin allergies, elevated ALT
<b>Outcome to Date:</b>	Stable

**Product Information:**

<b>Product Name:</b>	Homecooked diet - see diet history in medical record
<b>Product Type:</b>	Other
<b>Lot Number:</b>	
<b>Product Use Information:</b>	
<b>Manufacturer /Distributor Information:</b>	
<b>Purchase Location Information:</b>	

**Animal Information:**

<b>Name:</b>	B6														
<b>Type Of Species:</b>	Dog														
<b>Type Of Breed:</b>	Doberman Pinscher														
<b>Gender:</b>	Male														
<b>Reproductive Status:</b>	Neutered														
<b>Weight:</b>	40.9 Kilogram														
<b>Age:</b>	B6 years														
<b>Assessment of Prior Health:</b>	Good														
<b>Number of Animals Given the Product:</b>	1														
<b>Number of Animals Reacted:</b>	1														
<b>Owner Information:</b>	<table border="1"><tr><td><b>Owner Information provided:</b></td><td>Yes</td></tr><tr><td><b>Contact:</b></td><td><table border="1"><tr><td><b>Name:</b></td><td>B6</td></tr><tr><td><b>Phone:</b></td><td></td></tr><tr><td><b>Email:</b></td><td></td></tr></table></td></tr><tr><td><b>Address:</b></td><td><table border="1"><tr><td>B6</td></tr><tr><td>United States</td></tr></table></td></tr></table>	<b>Owner Information provided:</b>	Yes	<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td>B6</td></tr><tr><td><b>Phone:</b></td><td></td></tr><tr><td><b>Email:</b></td><td></td></tr></table>	<b>Name:</b>	B6	<b>Phone:</b>		<b>Email:</b>		<b>Address:</b>	<table border="1"><tr><td>B6</td></tr><tr><td>United States</td></tr></table>	B6	United States
<b>Owner Information provided:</b>	Yes														
<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td>B6</td></tr><tr><td><b>Phone:</b></td><td></td></tr><tr><td><b>Email:</b></td><td></td></tr></table>	<b>Name:</b>	B6	<b>Phone:</b>		<b>Email:</b>									
<b>Name:</b>	B6														
<b>Phone:</b>															
<b>Email:</b>															
<b>Address:</b>	<table border="1"><tr><td>B6</td></tr><tr><td>United States</td></tr></table>	B6	United States												
B6															
United States															
<b>Healthcare Professional Information:</b>	<table border="1"><tr><td><b>Practice Name:</b></td><td>Tufts Cummings School of Veterinary Medicine</td></tr><tr><td><b>Contact:</b></td><td><table border="1"><tr><td><b>Name:</b></td><td>Lisa Freeman</td></tr><tr><td><b>Phone:</b></td><td>(508) 887-4523</td></tr></table></td></tr></table>	<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine	<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td>Lisa Freeman</td></tr><tr><td><b>Phone:</b></td><td>(508) 887-4523</td></tr></table>	<b>Name:</b>	Lisa Freeman	<b>Phone:</b>	(508) 887-4523						
<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine														
<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td>Lisa Freeman</td></tr><tr><td><b>Phone:</b></td><td>(508) 887-4523</td></tr></table>	<b>Name:</b>	Lisa Freeman	<b>Phone:</b>	(508) 887-4523										
<b>Name:</b>	Lisa Freeman														
<b>Phone:</b>	(508) 887-4523														

			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	rpt_medical_record_preview.pdf	
	<b>Description:</b>	<b>B6</b>	medical records
	<b>Type:</b>	Medical Records	



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**From:** Related PFR Event <pfrsignificantactivitycreation@fda.hhs.gov>  
**To:** Carey, Lauren; Cleary, Michael \*; HQ Pet Food Report Notification;  
**B6**  
**Sent:** 3/21/2019 3:41:24 PM  
**Subject:** Homecooked diet - see diet history in medical record: Lisa Freeman - EON-382947  
**Attachments:** 2064359-report.pdf; 2064359-attachments.zip

A PFR Report has been received and Related PFR Event [EON-382947] has been created in the EON System.

A "PDF" report by name "2064359-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2064359-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-382947

**ICSR #:** 2064359

**EON Title:** Related PFR Event created for Homecooked diet - see diet history in medical record; 2064359

<b>AE Date</b>	11/15/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	<b>B6</b> Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2064359

**Product Group:** Other

**Product Name:** Homecooked diet - see diet history in medical record

**Description:** Arrhythmia identified at primary care vet on 11/15/18. Evaluated at Tufts 12/5/18 and diagnosed DCM with VPCs and APCs. Eating unbalanced homecooked diet. WB taurine **B6** (plasma not measured because owner had started taurine supplementation). Owner was recommended to change diet and we will recheck in 3 months

**Submission Type:** Followup

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Homecooked diet - see diet history in medical record		

This report is linked to:

**Initial EON Event Key:** EON-374789

**Initial ICSR:** 2060600

**Sender information**

Lisa Freeman

200 Westboro Rd

North Grafton, MA 01536

USA

**Owner information**

**B6**

To view this Related PFR Event, please click the link below:

**B6**

To view the Related PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-382947**

ICSR:	2064359
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-21 11:28:27 EDT
Initial Report Date:	12/27/2018
Parent ICSR:	2060600
Follow-up Report to FDA Request:	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	Arrhythmia identified at primary care vet on 11/15/18. Evaluated at Tufts 12/5/18 and diagnosed DCM with VPCs and APCs. Eating unbalanced homecooked diet. WB taurine: B6 plasma not measured because owner had started taurine supplementation). Owner was recommended to change diet and we will recheck in 3 months
	<b>Date Problem Started:</b>	11/15/2018
	<b>Concurrent Medical Problem:</b>	Yes
	<b>Pre Existing Conditions:</b>	History of anaplasma, von Willebrand disease, skin allergies, elevated ALT Recently excised fibrosarcoma on right maxilla - patient underwent 2 surgical procedures for mass removal. First in Dec 2018 and again in Feb 2019.
	<b>Outcome to Date:</b>	Stable

<b>Product Information:</b>	<b>Product Name:</b>	Homecooked diet - see diet history in medical record
	<b>Product Type:</b>	Other
	<b>Lot Number:</b>	
	<b>Product Use Information:</b>	
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	

<b>Animal Information:</b>	<b>Name:</b>	B6		
	<b>Type Of Species:</b>	Dog		
	<b>Type Of Breed:</b>	Doberman Pinscher		
	<b>Gender:</b>	Male		
	<b>Reproductive Status:</b>	Neutered		
	<b>Weight:</b>	40.9 Kilogram		
	<b>Age:</b>	B6 ears		
	<b>Assessment of Prior Health:</b>	Good		
	<b>Number of Animals Given the Product:</b>	1		
	<b>Number of Animals Reacted:</b>	1		
	<b>Owner Information:</b>	<b>Owner Information provided:</b>	Yes	
		<b>Contact:</b>	<b>Name:</b>	B6
			<b>Phone:</b>	
<b>Email:</b>				
<b>Address:</b>	B6			

			<b>B6</b> United States	
<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine		
	<b>Contact:</b>	<b>Name:</b>	Lisa Freeman	
		<b>Phone:</b>	(508) 887-4523	
		<b>Email:</b>	lisa.freeman@tufts.edu	
<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States			
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman		
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States		
	<b>Contact:</b>	<b>Phone:</b>	5088874523	
		<b>Email:</b>	lisa.freeman@tufts.edu	
	<b>Permission To Contact Sender:</b>	Yes		
	<b>Preferred Method Of Contact:</b>	Email		
	<b>Reported to Other Parties:</b>	None		
<b>Additional Documents:</b>	<b>Attachment:</b>	Medical record 12-2018-3-2019-compressed.pdf		
	<b>Description:</b>	Medical record Dec 2018-March 2019		
	<b>Type:</b>	Medical Records		
	<b>Attachment:</b>	Medical record 12-2018-3-2019 2.pdf		
	<b>Description:</b>	Medical record		
	<b>Type:</b>	Medical Records		

**B6**

Patient: **B6**  
**B6** Male (Neutered)  
Canine Doberman Pinscher  
Patient ID: 320320

**SURGERY REPORT**

Date of report: 12/30/2018

Attending Clinician:

**B6**

Date of procedure: **B6**

Primary Surgeon: **B6** BVSc

Secondary Surgeon: **B6** DVM DACVS

Procedure(s) performed: Right caudal maxillary mass excision

Report:

**B6**

Specimens obtained:

Right maxillary mass for histopathology

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY  
Oncology Liaison: 508-887-4682

**B6**

**Patient**

**Name:**

B6

**Signalment:**

B6 years Old Black/Tan Male  
(Neutered) Doberman Pinscher

**Owner**

**Name:**

**Address:**

**B6**

**Patient ID:**

320320

**Contact Clinician:**

**B6**

**Alternate Clinician:**

**Student:**

**B6**

## Discharge Instructions

**Appointment Date: 1/2/2019**

**Diagnosis:**

1. Right maxillary soft tissue sarcoma–fibrosarcoma

**Procedures:**

1. Physical examination
2. Complete blood count
3. Blood chemistry profile
4. Urinalysis

**Medications:**

**Dispense:**

**B6**

**Continue:**

1. Continue all cardiac medications as prescribed by the Cardiology Service.

**Diet:**

Please continue feeding from the diet you have discussed with the Cardiology department.

**B6**

**B6**



# B6

*\*Cummings Veterinary Medical Center offers a free support group for caregivers of companion animals with cancer. For more information please visit our website <http://vetmed.tufts.edu/oncology>*

**Prescription Refill Disclaimer:**

*For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.*

**Ordering Food:**

*Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval*

**Clinical Trials:**

*Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: [vet.tufts.edu/cvmc/clinical-studies](http://vet.tufts.edu/cvmc/clinical-studies)*

Case: B6

Owner: B6

Discharge Instructions

**B6**

B6  
B6 Male (Neutered)  
Canine Doberman Pinscher Black/Tan  
Patient ID: 320320

**Outside Prescription Log**

1. Date: 1/2/19

Clinician: B6  
Prescription: B6 caps #30: 1 cap PO q24h, 1 refill  
Pharmacy sent to: B6 fill online  
Completed by:  
Origin of request:

2. Date: 1/9/19

Clinician: B6  
Prescription: B6 Give 1 cap PO Q12hrs with food; 3 refills  
Pharmacy sent to: B6  
Completed by: B6  
Origin of request:

3. Date:

Clinician:  
Prescription:  
Pharmacy sent to:  
Completed by:  
Origin of request:

4. Date:

Clinician:  
Prescription:  
Pharmacy sent to:  
Completed by:  
Origin of request:

5. Date:

Clinician:  
Prescription:  
Pharmacy sent to:  
Completed by:  
Origin of request:

6. Date:

Clinician:  
Prescription:  
Pharmacy sent to:  
Completed by:  
Origin of request:

7. Date:

**Clinician:**  
**Prescription:**  
**Pharmacy sent to:**  
**Completed by:**  
**Origin of request:**

**8. Date:**

**Clinician:**  
**Prescription:**  
**Pharmacy sent to:**  
**Completed by:**  
**Origin of request:**

**9. Date:**

**Clinician:**  
**Prescription:**  
**Pharmacy sent to:**  
**Completed by:**  
**Origin of request:**

**10. Date:**

**Clinician:**  
**Prescription:**  
**Pharmacy sent to:**  
**Completed by:**  
**Origin of request:**

B6

**Patient**

**Name:** B6  
**Signalment:** B6 years Old Black/Tan Male  
(Neutered) Doberman Pinscher

**Owner**

**Name:**  
**Address:**

B6

**Patient ID:** 320320

**Contact Clinician:** B6 DVM, DACVS  
**Student:** B6 V19

---

### Discharge Instructions

**Appointment date:** 1/30/2019 10:04:21 AM

**Medications:** Continue all of B6 medications as previously prescribed by our cardiology and oncology departments.

**History:** B6 presented today for a consultation regarding his maxillary mass (fibrosarcoma). It was debulked with our department and sent for histopathology on B6 based on its composition, B6 was evaluated by our oncology department and metronomic chemotherapy (Cyclophosphamide) was initiated on 1/2/19. Since the surgery, you report that the mass has returned and growing larger.

**Follow Up:** Please email Dr. B6 when you are ready to schedule B6 surgery.  
B6@tufts.edu

Please contact the Surgery Liaison @ (508) 887-4794 to arrange your next appointment.

If you have any problems or questions, please contact Dr. B6 DVM, DACVS as soon as possible. If it is an emergency, contact the emergency service @ (508) 887-4623.

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Case: B6      Owner: B6      Discharge Instructions

**Cummings**  
**Veterinary Medical Center**  
AT TUFTS UNIVERSITY  
Cardiology Liaison: 508-887-4696

**B6**

Patient ID: 320320  
Canine  
**B6** Years Old Male (Neutered)  
Doberman Pinscher  
Black/Tan BW: Weight (kg) 40.00

Cancelled

B6

**Patient**

Name:

B6

Signalment:

B6 Years Old Black/Tan Male  
(Neutered) Doberman Pinscher

**Owner**

Name:

Address:

B6

Patient ID: 320320

Contact Clinician: B6 DVM, DACVS

Alternate Clinician: B6 DVM

Student: B6, V19

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**Discharge Instructions**

Admit Date: B6 7:46:58 AM

Discharge Date: B6

**Diagnosis:**

1. Right maxillary oral fibrosarcoma

**Procedures:**

1. Tumor excision
2. von Willebrand's factor testing
3. Baseline bloodwork
4. Chest radiographs (x-rays)
5. Cardiology Consult

**Medications:**

Continue B6 can continue to receive his medications as prescribed by the cardiology service. You may give them to him tonight with a small amount of soft food.

**Diet:** Please feed Brom soft food.

B6

# B6

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Case: B6

Owner: B6

Discharge Instructions

B6

Radiology Request & Report

**Patient**

Name: B6  
Species: Canine  
Black/Tan Male (Neutered)  
Doberman Pinscher  
Birthdate: B6

**Owner**

Name: B6  
Address: B6

Patient ID: 320320

Date of request: B6

Attending Clinician: B6 DVM, DACVS

Student: B6 V19

Date of exam: B6

Patient Location: Ward/Cage: B ward Run 4

Weight (kg) 40.00

**Sedation**

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

Examination Desired: Met check under pre-med before surgery

Presenting Complaint and Clinical Questions you wish to answer:

Admit to B Ward, Collect Drposit

Pertinent History:

Oral fibrosarcoma debulked on B6 second debulking surgery today  
History of DCM and Atrial fibrillation

Findings:

B6



# B6

## Conclusions:

- Faint right middle lung lobe interstitial to alveolar pattern. This may represent a focus of pneumonia. Correlate to thoracic auscultation. Follow-up radiographs are recommended to monitor.
- Mild generalized cardiomegaly with moderate left-sided enlargement without evidence of cardiac decompensation. This is consistent with reported DCM. Echocardiography can be considered for further evaluation as clinically indicated prior to anesthesia.
- Mild diffuse bronchial pattern may represent chronic lower airway disease (allergic, infectious or parasitic etiologies) or age related changes. Correlate with clinical history.
- No evidence of thoracic neoplasia.

## Radiologists

Primary: B6, DVM

Reviewing: B6, BVSc, DACVR

## Dates

Reported: 2/20/2019

Finalized: 2/28/2019

**B6**

Patient: **B6**  
**B6** Male (Neutered)  
Canine Doberman Pinscher  
Patient ID: 320320

**SURGERY REPORT**

Date of report: **B6**

Attending Clinician: **B6**

Date of procedure: **B6**

Primary Surgeon: Dr. **B6**

Student: **B6**, Y19

Procedure(s) performed: Right caudal maxillary mass debulking

Report:

**B6**

Specimens obtained:

Right maxillary mass for histopathology

Concerns:

-aspiration

B6

Discharge Instructions

Patient

Name: B6

Species: Canine

Black/Tan Male (Neutered) Doberman

Pinscher

Birthdate: B6

Owner

Name: B6

Address: B6

Patient ID: 320320

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

(Cardiology)

Student: B6 V19

Date: 3/7/2019

Diagnoses:

Dilated cardiomyopathy (DCM), asymptomatic

Atrial and ventricular arrhythmia

Oral fibrosarcoma

Case summary:

Thank you for bringing B6 to Tufts for evaluation of his heart. Upon echocardiogram (ultrasound of the heart) today, his DCM is stable. There were no significant differences in comparison to findings from B6 previous echocardiogram. Electrocardiogram was also similar but showed slightly less frequent arrhythmia (abnormal heart rhythm), more specifically some atrial and fewer ventricular premature contractions, and slower heart rate so we will continue his B6 medication. Since B6 is enrolled in the study on DCM, and we submitted some blood work for that study which will give us other markers of heart health. We will plan to call you with those results.

We are sorry to hear that his mouth is causing him discomfort and decreased appetite. We are sending you home with an appetite stimulant and some anti-diarrheal medication to help improve his comfort at home. It is ok to dissolve his medication to give in a liquid slurry if that works better for him. We recommend avoiding putting his pills in his food.

Monitoring at home:

- We would like you to occasionally monitor your dog's breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 to 40 breaths per minute. Given that B6 is a large breed dog, his respiratory rate should be no more than 35 breaths

per minute at rest, and it may be much lower. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.

- An increase in breathing rate or effort will usually mean that you should give a dose of furosemide (Lasix). If difficulty breathing is not improved by within 30-60 minutes after giving extra furosemide then we recommend that a recheck exam be scheduled and/or that your dog be evaluated by an emergency clinic.
- There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

#### **Recommended Medications:**

We discussed tips for getting medications into **B6**. You can crush or dissolve his tablets right before you give the medications if you find it easier to give them this way. You can use small amounts of appetizing foods like low-sodium peanut butter, cream cheese, cake frosting, and marshmallows to hide pills in. *If you are unable to get all of his oral medications in to him, we want you to prioritize his Pimobendan and Amiodarone medications.*

# B6

#### **Diet Suggestions**

##### **Diet and supplement suggestions:**

Dogs with heart failure accumulate more fluid in their body if they eat large amounts of sodium (salt). Sodium can be found in all foods, but some foods are lower in sodium than others. Many pet treats, people foods, and supplements used to give pills often have more sodium than is desirable - a sheet that has suggestions for low sodium treats can be found on the HeartSmart web site (<http://vet.tufts.edu/heartsmart/diet/>)

- The FDA is currently investigating an apparent association between diet and a type of heart disease called dilated cardiomyopathy. The exact cause is still unclear, but it appears to be associated with boutique diets and those

containing exotic ingredient or are grain-free. Therefore, we are currently recommending that dogs do not eat these types of diets.

- We recommend switching [B6] to commercial diet made by a well-established company that is not grain-free and does not contain any exotic ingredients, such as kangaroo, duck, lamb, venison, lentils, peas, beans, buffalo, tapioca, barley, and chickpeas.
- The FDA issued a statement regarding this issue (<https://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm613305.htm>) and a recent article published by Dr. Lisa Freeman on the Cummings School's Petfoodology blog can further explain these findings (<http://vetnutrition.tufts.edu/2018/06/a-broken-heart-risk-of-heart-disease-in-boutique-or-grain-free-diets-and-exotic-ingredients/>).
- Our nutritionists have compiled a list of dog foods that are good options for dogs with heart disease.

#### Dry Food Options:

Royal Canin Early Cardiac (veterinary diet)

Royal Canin Boxer

Purina Pro Plan Adult Weight Management

Purina Pro Plan Bright Mind Adult Small Breed Formula

#### Canned Food Options:

Hill's Science Diet Adult Beef and Barley Entree

Hill's Science Diet Adult 1-6 Healthy Cuisine Roasted Chicken, Carrot, and Spinach Stew

Royal Canin Mature 8+

#### Exercise Recommendations

Limited activity is recommended, but [B6] can still be allowed to play. Short leash walks are ideal. If you find the [B6] lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart disease. Please be aware that dog's with significant arrhythmia, as is [B6] case, are at risk of sudden death as a result of fatal arrhythmia, and we worry that high intensity activity can increase this risk.

**Recheck Visits:** A recheck visit is scheduled for Monday June 10th at 4PML. At this visit we will want to check breathing effort and heart function with an echocardiogram, ECG and a blood test as part of the DCM study.

Thank you for entrusting us with [B6] care. He is such a good boy and we hope that the entyce helps his appetite. Please contact our Cardiology liaison at (508)-887-4696 or email us at [cardiovet@tufts.edu](mailto:cardiovet@tufts.edu) for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

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Case: [B6]

Owner: [B6]

Discharge Instructions

### Nutritional Tips for Pets with Heart Disease

#### Low sodium, high quality pet treats

##### Notes:

1. Most other dog treats are high in sodium.
2. If your pet has other medical conditions, these treats may not be appropriate. Talk to your veterinarian if you have questions or make an appointment with the Nutrition Service.

Product	Calories per treat
<b>Dogs</b>	
Hill's Science Diet Baked Light Biscuits with Real Chicken Small Dog Treat	8
Hill's Science Diet Baked Light Biscuits with Real Chicken Medium Dog Treat	34
Hill's Science Diet Soft Savories Peanut Butter & Banana, Beef & Cheddar, or Chicken & Yogurt Dog Treat	25-27, depending on flavor
Hill's Ideal Balance Soft-Baked Naturals with Chicken & Carrots, Duck & Pumpkin, or Beef & Sweet Potato Dog Treat	12-13, depending on flavor
Purina Beyond Natural Salmon Dog Biscuit Treat with Oats or Chicken & Barley	27-29, depending on flavor
Purina Alpo Variety Snaps Little Bites (beef, chicken, liver, lamb or beef, bacon, cheese, peanut butter)	16
Purina Alpo Variety Snaps Big Bites (beef, chicken, liver, lamb)	58
Royal Canin Original Canine treat	5
<b>Cats</b>	
Royal Canin Original Feline treat	2
Fancy Feast Duos Natural Rotisserie Chicken Cat treat	2
Fancy Feast Duos Tuna with Accents of Parsley Cat treat	2

#### Taste enhancers to can make your pet's food tastier to increase food intake

Safe and effective appetite stimulants are now available for dogs and cats. Please talk to your veterinarian if your pet is not eating well, not eating ideal foods, or is losing weight.

##### Notes:

1. All foods in this list should be prepared without salt
2. These taste enhancers should be added in small amounts. If your pet eats too much of them, they will unbalance the diet and increase your pet's risk for nutritional deficiencies

#### **Dogs**

- ♥ Honey or maple syrup
- ♥ Homemade chicken, beef, or fish broth (made without salt; avoid all deli meats and rotisserie chicken). Avoid store bought broths because even the low sodium brands are too high in sodium.
- ♥ Sugar (brown or white) – Domino pourable light brown sugar is a good option
- ♥ Vanilla or fruit yogurt – One option that dogs seem to like is Yoplait Custard Yogurt (caramel or vanilla flavors). If you try other brands, just be sure the sodium is less than 100 mg per 100 calories (the Yoplait is 95 mg per 170 calories which comes out to 56 mg sodium per 100 calories). Also avoid yogurts with artificial sweeteners.
- ♥ Maple syrup. Low salt brands include Log Cabin All Natural, Maple Grove Farm 100% pure maple syrup, or Stop and Shop Original Syrup
- ♥ Applesauce (be sure they have less than 50 mg sodium per serving)
- ♥ Ketchup (no salt added). Examples include Hunts or Heinz no salt added
- ♥ Pasta sauce (no salt added). Examples: Francesco Rinaldi no salt added or Enrico's no salt added)
- ♥ Frosted Mini Wheats Original – these can be crumbled on his food
- ♥ Lean meats, cooked (chicken, turkey, beef, or fish) – not deli/sandwich meats/cold cuts, rotisserie chicken, and any canned fish or meat
- ♥ Eggs, cooked

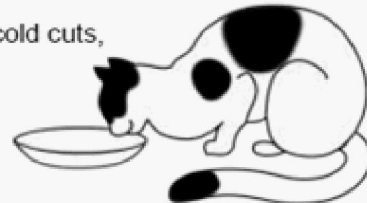


### ***Dogs (continued)***

- ♥ Homemade chicken, beef, or fish broth (even low sodium store-bought broths are too high in sodium). Avoid all canned soups unless labeled as no salt added
- ♥ Low-salt breakfast cereal - the label should read, "very low sodium food" or contain less than 20 mg sodium per serving. A good option is Frosted Mini Wheats Original or Little Bites Original
- ♥ Fresh vegetables/fruit. Examples include carrots, green beans, apple, orange, banana (avoid grapes, raisins, onions, garlic)
- ♥ Low sodium canned dog foods

### ***Cats***

- ♥ Lean meats, cooked (chicken, turkey, beef, or fish) – not sandwich meats/cold cuts, canned tuna, or rotisserie chicken
- ♥ Eggs, cooked
- ♥ Homemade chicken, beef, or fish broth (even low sodium store-bought broths are too high in sodium)
- ♥ Low sodium canned cat foods



### **Foods to avoid**

- ♥ Fatty foods (meat trimmings, cream, ice cream)
- ♥ Baby food
- ♥ Pickled foods
- ♥ Bread
- ♥ Pizza
- ♥ Condiments (ketchup, soy sauce, barbecue sauce, etc – unless they are unsalted or no salt added)
- ♥ Sandwich meats/cold cuts (ham, corned beef, salami, sausages, bacon, hot dogs)
- ♥ Rotisserie chicken
- ♥ Most cheeses, including "squirtable" cheeses
- ♥ Processed foods (such as, potato mixes, rice mixes, macaroni and cheese)
- ♥ Canned vegetables (unless "no salt added")
- ♥ Potato chips, packaged popcorn, crackers, and other snack foods
- ♥ Soups (unless homemade without salt)
- ♥ Most commercial pet treats

### **Tips for administering medications**

Foods commonly used to administer your pet's pills can provide a large amount of additional salt to your pet's diet. Preferable ways to give medications include:

- ♥ Have one of our staff show you how to give medications without using food
- ♥ Insert medications into one of the following foods:

#### ***Dogs or cats***

- Low-sodium canned pet food
- Home-cooked meat such as chicken or hamburger (made without salt); not lunch meats
- Whipped cream (Reddi Wip)
- Marshmallows
- Greenies Pill Pockets
  - Dog chicken, hickory smoke, or peanut butter flavors; cat chicken or salmon flavor
  - Avoid grain-free duck and pea which is high in sodium
  - Try to use the smallest size possible (ideally, the cat sized Pill Pockets, even for dogs) and as few as possible to avoid excessive salt.
    - Caution: Not all similar products from other companies are low in sodium .

#### ***Dogs***

- Soft fruit, such as banana, orange, melon, or strawberries (avoid grapes)
- Peanut butter (only if labeled as "no salt added") – examples include Smucker's Natural Creamy Peanut Butter with No Salt Added or Teddie All Natural Smooth Unsalted Butter
- Frosting (should be less than 75 mg/serving and contain no artificial sweeteners or xylitol). Examples include Duncan Hines whipped vanilla frosting, Betty Crocker whipped vanilla frosting)

You may find our Petfoodology post called, "Pill-popping pets" helpful for additional ideas:

[http://vetnutrition.tufts.edu/2018/09/foods\\_for\\_giving\\_pills/](http://vetnutrition.tufts.edu/2018/09/foods_for_giving_pills/)

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

**B6**

Patient ID: 320320

**B6**

Canine

Years Old Male (Neutered) Doberman

Pinscher

Black/Tan

## Cardiology Appointment Report

**Date:** 3/7/2019

### Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

**B6**

M (Cardiology)

ology)

y) (PRIMARY)

### Cardiology Resident:

B6

### Cardiology Technician:

**B6**

, VTS (Cardiology)

CVT

**Student:** B6 /19

**Presenting Complaint:** Recheck DCM/arrhythmia; DCM study

### Concurrent Diseases:

Hx of oral fibrosarcoma incompletely removed 2/2019 after failing to respond to metronomic chemotherapy.

History of Anaplasma

History of von Willebrand disease

History of skin allergies

History of elevated ALT

### General Medical History:

Has been doing okay on and off; owner thinks that he is painful and has been picking out pills. Owner is getting tramadol liquid from vet. Owner has not been able to get heart medication in for 2 days except 1 enalapril yesterday. Owner wants to know if possible to do compounding into a liquid for medications. Still wants to go for walks twice a day. Appetite has decreased but owner suspects it is because of pain related to oral mass. Diarrhea/soft stool for the past week and seems to be improving. Owner thinks the oral mass is infected based on smell. Owner asks about compounding liquid metronidazole. Couple weeks ago vomited a couple of times right after eating but resolved on its own. Owner wants to know about appetite stimulants.

### Diet and Supplements:

Only willing to eat pure beef/lamb, not interested in vegetables. Owner is trying to incorporate regular



dog food (one of the recommend low sodium diets we recommend but can't remember which one).  
No supplements

**Cardiovascular History:**

Prior CHF diagnosis? No

Prior heart murmur? No

Prior ATE? no

Prior arrhythmia? Yes

Monitoring respiratory rate and effort at home? Not daily, always below 17/min

Cough? 2 coughs yesterday for the first time but none since then

Shortness of breath or difficulty breathing? No

Syncope or collapse? No

Sudden onset lameness? No

Exercise intolerance? No

**Current Medications Pertinent to CV System:**

**B6**

**Cardiac Physical Examination:**

General PE: generalized shaking,  
painful swelling on R side of mouth (did  
not fully evaluate mouth due to pain),  
increased R submandibular and  
prescapular LN, multiple cutaneous  
masses

MM Color and CRT: pink, CRT =2

BCS (1-9): 6

BW (kg): 38.1 kg

Heart rate: 72

Respiratory rate: 20

Temp (if possible): NP

Muscle condition:

Normal

Moderate cachexia

Mild muscle loss

Marked cachexia

**Cardiovascular Physical Exam:**

**Murmur Grade:**

- None
- I/VI
- II/VI
- III/VI

- IV/VI
- V/VI
- VI/VI

**Jugular vein:**

- Bottom 1/3 of the neck
- Middle 1/3 of the neck

- 1/2 way up the neck
- Top 2/3 of the neck

**Arterial pulses:**

- Weak
- Fair
- Good
- Strong

- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other:

**Arrhythmia:**

- None
- Sinus arrhythmia
- Premature beats

- Bradycardia
- Tachycardia

**Gallop:**

- Yes
- No
- Intermittent

- Pronounced
- Other:

**Pulmonary assessments:**

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds

- Pulmonary crackles
- Wheezes
- Upper airway stridor

**Abdominal exam:**

- Normal
- Hepatomegaly
- Abdominal distension

- Mild ascites
- Marked ascites

**Problems & Differential Diagnoses:**

History of DCM and APCs/NPCs

Painful R mouth- R/O infection vs. regrowth tumor

Diarrhea- R/O- medication side effects vs. stress colitis vs. neoplasia

**Diagnostic plan:**

- Echocardiogram
- Chemistry profile
- ECG- during echo
- Renal profile
- Blood pressure

- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests: DCM study

**Echocardiogram Findings:**

**General/2-D findings:**

# B6

**Doppler findings:**

Trace MR and TR

**Mitral inflow:**

- Summated
- Normal
- Delayed relaxation
- Pseudonormal
- Restrictive

**ECG findings:**

NSR with frequent APCs and occasional isolated VPCs

**Assessment and recommendations:**

Echocardiogram reveals similar advanced DCM compared too previous exam. Patient is not eating well lately; suspect related to oral mass, but chemistry panel submitted to assess renal and liver values. Recommend prioritizing pimobendan and amiodarone until taking meds better. Sent home with a sample of Entyce. If appetite improves, strongly recommend feeding one of the recommended dog food diets rather than home cooked, just in case this could be playing a role in his heart disease. Continue to have furosemide on hand in case of increased RR/RE. BNP and troponin submitted for study. Recheck echo and blood work in another 3 months for the study.

**Final Diagnosis:**

DCM  
Ventricular and supraventricular ectopy  
Oral fibrosarcoma

**Heart Failure Classification Score:**

**ISACHC Classification:**

- Ia
- Ib
- II
- IIIa
- IIIb

**ACVIM Classification:**

- A
- B1
- B2
- C
- D

M-Mode

IVSd  
LVIDd  
LVPWd  
IVSs  
LVIDs  
LVPWs  
EDV(Teich)  
ESV(Teich)

B6

cm  
cm  
cm  
cm  
cm  
ml  
ml

EF(Teich)		%
%FS		%
SV(Teich)		ml
Ao Diam		cm
LA Diam		cm
LA/Ao		
Max LA		cm
Ao Diam		cm
LA Diam		cm
LA/Ao		
TAPSE		cm
EPSS		cm

**B6**

M-Mode Normalized

IVSdN		(0.290 - 0.520)
LVIDdN		(1.350 - 1.730) !
LVPWdN		(0.330 - 0.530) !
IVSsN		(0.430 - 0.710)
LVIDsN		(0.790 - 1.140) !
LVPWsN		(0.530 - 0.780) !
Ao Diam N		(0.680 - 0.890)
LA Diam N		(0.640 - 0.900) !

**B6**

2D

SA LA		cm
Ao Diam		cm
SA LA / Ao Diam		
IVSd		cm
LVIDd		cm
LVPWd		cm
EDV(Teich)		ml
IVSs		cm
LVIDs		cm
LVPWs		cm
ESV(Teich)		ml
EF(Teich)		%
%FS		%
SV(Teich)		ml
LV Major		cm
LV Minor		cm
Sphericity Index		
LVID LAX		cm
LVA d LAX		cm
LVEDV A-L LAX		ml
LVEDV MOD LAX		ml
LVLs LAX		cm
LVA s LAX		cm
LVESV A-L LAX		ml
LVESV MOD LAX		ml

**B6**

HR  
EF A-L LAX  
LVEF MOD LAX  
SV A-L LAX  
SV MOD LAX  
CO A-L LAX  
CO MOD LAX

**B6**

BPM  
%  
%  
ml  
ml  
l/min  
l/min

Doppler

MR Vmax  
MR maxPG  
MV E Vel  
MV DecT  
MV Dec Slope  
MV A Vel  
MV E/A Ratio  
E'  
E/E'  
A'  
S'  
AV Vmax  
AV maxPG  
PV Vmax  
PV maxPG

**B6**

m/s  
mmHg  
m/s  
ms  
m/s  
m/s  
  
m/s  
  
m/s  
m/s  
m/s  
mmHg  
m/s  
mmHg

# B6

## Client and Pet Registration Form

Client Name: B6

Spouse/Partner:

Address:

City, State, Zip:

Home Phone:

Work Phone:

Cell Phone:

Email:

Pager:

Pet Name: B6

Patient ID: 320320

Date of Birth: B6

Age: B6 years Old

Species: Canine

Breed: Doberman Pinscher

Color: Black/Tan

Sex: Male (Neutered)

Weight: Weight (kg) 38.10 kg

Rabies Date:

# B6

# B6

Referring Veterinarian:

# B6

B6

### Agreement and Consent:

- I agree to pay for all services rendered to my pet at the end of today's examination.
- I understand that payment is required at the time of service.
- I understand that the cost of the initial exam does not cover any further diagnostics, treatments, or medications that may be necessary for my pet.
- I understand that if further diagnostics or treatments are recommended by the doctor I may request an estimate of those charges first.
- I understand that I have the right to refuse any treatments, diagnostics, or medications that have been recommended to me by the doctor.

Signature: \_\_\_\_\_

Date: 3/18/2019

You and your doctor will be provided with a report from the doctor for every examination performed on your pet at B6 Thank you for trusting us to care for your pet!

# B6

## Patient Discharge Summary

Client Name:

B6

Referring Veterinarian:

B6

Patient Name:

B6

Patient ID:

320320

Species:

Canine

Breed:

Doberman Pinscher

Age:

B6 Years Old

Weight:

Weight (kg) 38.10 kg

Check in date:

3/18/2019 1:49:45 PM

Veterinary Medical Team:

B6

DVM, DACVAA

Diagnosis: Cancer pain

### Case Summary:

You brought B6 to see me for advice about his pain. You are mainly concerned because his appetite declined (which has been helped by the B6) and it was difficult to get pills into him, but also because he seemed to have paroxysms of pain, where he exhibited shaking and it interrupts his sleep (and yours). He had not been anything for pain since you discontinued the metronomic therapy for his cancer - there was B6 (tablet) once a day in that protocol. Then Dr. B6 suggested you try a compounded dose of B6 and it has made a major difference. She also recommended a hemp supplement oil, which you have not started yet. He does not do well on gabapentin. You are afraid to give too much of the B6. Currently he is eating mainly salmon filets and dog cookies. You are doing an amazing job trying to separate his medication administration from his feeding times / locations.

He likes to go for walks several times a day. His other quality of life indicators are his engagement with you, and his sleep patterns.

He has reluctance to go up the stairs and you help him, but on the B6 one day he did it on his own.

I discussed methods to treat his pain, and how to monitor him for how he is feeling.

Patient Care Instructions:

B6

**B6**

**Medications:**

Dispense:

**B6**

Continue:

**Follow-up Instructions:**

**I can make additional recommendations going forward. I will send you the comfort diary to use if you choose.**

**Please do not hesitate to email me with questions or concerns and we can set up a time to talk by phone.**

**B6**

**You are truly honoring his well being above all and it was a pleasure to meet both of you.**

**B6**

**DVM, DACVAA**

**Discharge Date: 3/18/2019**





# Treatment Plan

Estimated Charges  
03/19/2019

**B6**

**B6**

*This estimate is based upon our preliminary examination. This is an estimate and is not the final bill. Every effort will be made to keep you informed of the current status of your bill throughout your animal's hospitalization. The final fee may vary considerably from this estimated cost.*

Description	Low Qty	Low Extended	High Qty	High Extended
Tumor Removal (Simple)	1.00			
Anesthesia Work-Up	1.00			
PCVTS/BG/AZO - FHSA	1.00			
Daily Professional Care: General Ward	.50			
Anesthesia Disposables/agents	1.00			
Medication (General Estimate) - FHSA	.50			
Hospitalization: Day Board (Dog)	1.00			
Von Willebrand's Factor Antigen (Clinical Sciences Lab) - FHSA	1.00			
General Supplies: Surgery	2.00			
Ligasure - FHSA	1.00			
NOVA (Full Panel) - FHSA	1.00			
Anesthesia 1 Hr/30 M	1.00			

**B6**

**B6**

**B6**

Doctor of Record **B6**

Client Signature \_\_\_\_\_

I understand that no guarantee of successful treatment is made. I certify that I have read and fully understand the authorization for medical and/or surgical treatment, the reason for why such medical and/or surgical treatment is considered necessary, as well as its advantages and possible complications, if any. I also assume financial responsibility for all charges incurred to this patient(s). I agree to pay 75% of the estimated cost at the time of admission. Additional deposits will be required if additional care or procedures are required. I further agree to pay the balance of the charges when this patient(s) is released.

Procedural billing is inclusive up to and including the estimated duration of hospitalization. There will be additional expenses if hospitalization extends beyond the specified duration.

I have read, understand, and agree to accept the conditions of this treatment plan.

Thank you for entrusting us with your pet's care.

High Total  
Low Total  
75% Deposit

**B6**

Client: **B6**  
Patient: **B6**

**B6** echo report 11/27/18

**B6**

### Echocardiogram Report

Date: 11/27/2018  
Name: **B6**  
Age: 10  
Breed: Dober  
Sex: Male  
Weight: 40.8 kg (90.0 lbs)  
Vet: **B6**  
Veterinary Hospital

**Cardiac Measurements:**

2-D	M-Mode	Doppler
Ao Diam	IVSd	MV E Vel
LA Diam	LVIDd	MV A Vel
LA/Ao	LVPWd	MV E/A Ratio
Ao/LA	IVSs	MR Vmax
LVLd A4C	LVIDs	MR maxPG
LVA d A4C	LVPWs	LVOT Vmax
LVEDV A-L A4C	%FS	LVOT maxPG
LVEDV MOD A4C		RVOT Vmax
LVLs A4C		RVOT maxPG
LVA s A4C		
LVESV A-L A4C		
LVESV MOD A4C		
HR		
EF A-L A4C		
LVEF MOD A4C		
SV A-L A4C		
SV MOD A4C		
CO A-L A4C		
CO MOD A4C		

**Physical exam:**  
HR: 114, regularly irregular rhythm, no murmur appreciated today, strong and synchronous pulses, Lungs - Clear and eupneic

Client: **B6**  
Patient:

N.E.V.S echo report 11/27/18

**B6**

**B6** 26443

Page 2 of 2

**B6**

Echocardiographic Assessment:  
Dilated cardiomyopathy - severe

Plan - Cardiac:

- There is severe heart disease present. The risk for CHF and supraventricular arrhythmias (ie atrial fibrillation) is increased. Please consider treating with:

**B6**

- Consider mild sodium restriction - Royal Canin Early Cardiac.  
- Given the severity of the heart disease, the owners should monitor the dog for clinical signs of CHF. Have the owners keep a resting/sleeping log of the dog's respiratory rate. If the RR persists above 44 breaths per minute, have the dog return for recheck evaluation and repeat thoracic radiographs.

**B6**

DVM, Dipl ACVIM (Cardiology)

Client: **B6**  
Patient: **B6**

CBC/Chem - 12/5/2018



### Tufts Cummings School Of Veterinary Medicine

200 Westboro Road  
North Grafton, MA 01536

#### DUPLICATE

Name/DOB: <b>B6</b> (2/28/2008)	Sex: M	Provider: <b>B6</b>
Patient ID: 320320	Age: 10	Order Location: <b>B6</b>
Phone number:	Species: Canine	Sample ID: 1812050071
Collection Date: 12/5/2018 10:26 AM	Breed: Doberman Pinscher	
Approval date: 12/5/2018 12:38 PM		

#### CBC, Comprehensive, Sm Animal (Research)

SMACHUNSKI		Ref. Range/Males
WBC (ADVIA)		4.40-15.10 K/uL
RBC (Advia)		5.80-8.50 M/uL
Hemoglobin (ADVIA)		13.3-20.5 g/dL
Hematocrit (Advia)		39-55 %
MCV (ADVIA)		64.5-77.5 fL
MCH (ADVIA)		21.3-25.9 pg
MCHC (ADVIA)		31.9-34.3 g/dL
RDW (ADVIA)		11.9-15.2
Platelet Count (Advia)		173-486 K/uL
12/05/18 12:38 PM	<b>B6</b>	Platelets per 100x field (estimated count of 200,000-500,000/uL)
Mean Platelet Volume (Advia)		8.29-13.20 fl
12/05/18 11:06 AM	<b>B6</b>	Platelet clumps (if present) and sample age (greater than 4 hours) can result in a falsely increased MPV.
Platelet Crit		0.129-0.403 %
12/05/18 11:06 AM	<b>B6</b>	Platelet Crit is invalid when clumped platelets are present. Interpretation of PltCt is unclear in species other than canines.
Reticulocyte Count (Advia)		0.20-1.60 %
Absolute Reticulocyte Count (Advia)		14.7-113.7 K/uL
	<b>B6</b>	

#### Microscopic Exam of Blood Smear (Advia)

SMACHUNSKI		Ref. Range/Males
Seg Neuts (%)		43-86 %
Lymphocytes (%)	L	7-47 %
Monocytes (%)		1-15 %
Eosinophils (%)		0-16 %
Seg Neutrophils (Abs) Advia	H	2.80-11.50 K/uL
Lymphs (Abs) Advia	L	1.00-4.80 K/uL
Mono (Abs) Advia		0.10-1.50 K/uL
Eosinophils (Abs) Advia		0.00-1.40 K/uL
WBC Morphology		No Morphologic Abnormalities
Echinocytes		Occasional

#### Research Chemistry Profile - Small Animal (Cobas)

SMACHUNSKI		Ref. Range/Males
Glucose		67-135 mg/dL
Urea	H	8-30 mg/dL
Creatinine		0.6-2.0 mg/dL
Phosphorus		2.6-7.2 mg/dL

Sample ID: 1812050071/1  
This report continues... (Final)

Reviewed by: \_\_\_\_\_

Client: **B6**  
Patient:

CBC/Chem - 12/5/2018



**Tufts Cummings School Of Veterinary Medicine**

200 Westboro Road  
North Grafton, MA 01536

**DUPLICATE**

Name/DOB: **B6** (2/28/2008)      Provider: **B6**  
Patient ID: 320320      Sex: M      Order Location: **B6**  
Phone number:      Age: 10      Sample ID: 1812050071  
Collection Date: 12/5/2018 10:26 AM      Species: Canine  
Approval date: 12/5/2018 12:38 PM      Breed: Doberman Pinscher

**Research Chemistry Profile - Small Animal (Cobas) (cont'd)**

		Ref. Range/Males
SMACHUNSKI		
Calcium 2		9.4-11.3 mg/dL
Magnesium 2+		1.8-3.0 mEq/L
Total Protein		5.5-7.8 g/dL
Albumin		2.8-4.0 g/dL
Globulins		2.3-4.2 g/dL
A/G Ratio		0.7-1.6
Sodium		140-150 mEq/L
Chloride		106-116 mEq/L
Potassium		3.7-5.4 mEq/L
tCO2(Bicarb)		14-28 mEq/L
AGAP		8.0-19.0
NA/K		29-40
Total Bilirubin		0.10-0.30 mg/dL
Direct Bilirubin		0.00-0.10 mg/dL
Indirect Bilirubin		0.00-0.20 mg/dL
Alkaline Phosphatase		12-127 U/L
GGT		0-10 U/L
ALT		14-86 U/L
AST		9-54 U/L
Creatine Kinase		22-422 U/L
Cholesterol		82-355 mg/dL
Triglycerides		30-338 mg/dl
Amylase		409-1250 U/L
Osmolality (calculated)		291-315 mmol/L
Comments (Chemistry)		

H **B6**

Sample ID: 1812050071/2  
END OF REPORT (Final)

Reviewed by: \_\_\_\_\_  
Page 2

Client: **B6**  
Patient: **B6**

**IDEXX BNP - 12/4/2018**

IDEXX Reference Laboratories

Client: SMITH Patient: BROM

Client: **B6**  
Patient: **B6**  
Species: CANINE  
Breed: DOBERMAN\_PINSCH  
Gender: MALE NEUTERED  
Age: 10Y

Date: 12/05/2018  
Requisition #: 320370  
Accession #: **B6**  
Ordered by: **B6**

IDEXX VetConnect 1-888-433-9967  
**TUFTS UNIVERSITY**  
200 WESTBORO RD  
NORTH GRAFTON, Massachusetts 01536  
508-839-5395  
Account #88933

**CARDIOPET proBNP - CANINE**

Test	Result	Reference Range	Low	Normal	High
CARDIOPET proBNP - CANINE	<b>B6</b>	0 - 900 pmol/L	HIGH		<b>B6</b>

**B6**

Please note: Complete interpretive comments for all concentrations of cardiopet proBNP are available in the online directory of services. Serum specimens received at room temperature may have decreased NT-proBNP concentrations.

Client: **B6**  
 Patient:

**Holter Monitor Diary 12/5/18**

**PATIENT INFORMATION AND INSTRUCTIONS**

Your physician has prescribed you a Holter Electrocardiogram to determine how your heart functions during normal daily activity.

It's important to keep an accurate diary of your symptoms only. If you begin to feel symptoms related to why your monitor was prescribed such as chest pain, shortness of breath, uneven heartbeats or dizziness, note in your diary the time of day they began, what you were doing and how you were feeling. Use this diary to record:

**Time of day:** Enter the time as displayed on the recorder. Do NOT use your personal watch.

**Symptoms:** After manually pushing the ENTER button on your device, write down in your diary the symptoms related to why your monitor was prescribed; such as dizziness, heart pounding, nausea, shortness of breath, or pain in your chest, neck, arm or face. Note in the diary any abnormal symptoms to ensure the study contains the important events and help your physician diagnose your rhythm problem.

**Activity:** For each diary entry, write down what you were doing when you experienced a symptom: sitting, eating, walking, exercise, bowel movement, etc.

**IMPORTANT NOTES TO PATIENT**

- To insure an accurate evaluation of this recording, FIRST you MUST include any Symptoms accompanied by the Activity when you were feeling that symptom. This diary must include the time as shown on the display of the recorder, how you were feeling (your symptoms) and your activity at the time of the event. If you are unsure of the significance of a feeling, write it down.
- Keep the recorder away from water. Do not bathe, shower, or swim during this monitoring period.
- Do NOT open or tamper with the device battery compartment or the lead wire connection. If the battery becomes dislodged for any reason after the study has started, the monitor will stop recording. The device cannot be restarted and the study is finished.
- If a wire is disconnected from an electrode, simply re-connect it by snapping the wire onto the electrode. If an electrode falls off, simply re-attach it in the same location.

Following these instructions will help your physician analyze the results of your recording and diagnose your problem.

**- SAMPLE DIARY -**

TIME	SYMPTOMS	ACTIVITY
9:20	Chest Pain	While I was Mowing Lawn
10:30	Shortness of breath	Used bathroom to urinate
12:00	Heart beats fast	Driving
9:00	Palpitations	Went to sleep

**B6** is asymptomatic - Breathing rates between 12-17 breaths/min

TIME	SYMPTOMS	ACTIVITY
12:10		car ride home
1:10-1:12		Playing with dog
1:14		Resting
1:25-3:00		Sleeping
3:37-4:00		Short walk with steps
4:00-4:25		standing in kitchen
4:40		excited greeting ARRIVING family member
4:55		Resting / Lying Down
5:15		Resting
6:45		DINNER
6:52		outside comm to bathroom
7:15-10:15		sleeping
10:40		Dinner
10:54-10:59		outside - Brian
11:00-9:00		Sleeping
9-10:20		relaxing lying down
10:20 am - 10:40		up outside
10:55		eating breakfast
11:00		standing walking around
11:20		In car



Client: **B6**  
 Patient:

**Holter Monitor Diary 12/5/18**

**PATIENT INFORMATION AND INSTRUCTIONS**

Your physician has prescribed you a Holter Electrocardiogram to determine how your heart functions during normal daily activity.

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9:00	Palpitations	Went to sleep

**B6** is asymptomatic - Breathing rates between 12-17 breaths/min

TIME	SYMPTOMS	ACTIVITY	TIME	SYMPTOMS	ACTIVITY
12:10		car ride home	10:54-10:59		outside - Brian
1:10-1:12		Playing with dog	11:00-9:00		Sleeping
1:14		Resting	9-10:20		relaxing A/C but 4mg stool
1:25-3:00		Sleeping	10:20am		up outside
3:37-4:00		short walk with steps	10:55		eating breakfast
4:00-4:25		standing in kitchen	11:00		standing walking around
4:40		excited greeting ARRIVING family member	11:20		In car
4:55		Resting / Lying Down			
5:15		Resting			
6:15		Dinner			
6:52		outside going to bathroom			
7:15-10:15		sleeping			
10:40		Dinner			



Client: **B6**  
Patient: **B6**

Texas A & M Cardiac Troponin - 12/5/2018



Gastrointestinal Laboratory  
Dr. J.M. Steiner  
Department of Small Animal Clinical Sciences  
Texas A&M University  
4474 TAMU  
College Station, TX 77843-4474



Website User ID: Cardiovet@tufts.edu OR clinpath@tufts.edu

GI Lab Assigned Clinic ID: 11405

Dr. **B6**  
Tufts University-Clinical Pathology Lab  
Attn: **B6**  
200 Westboro Road  
North Grafton, MA 01536  
USA

Phone: 508 887 4669  
Fax: 9 508 839 7936  
Animal Name: **B6**  
Owner Name:  
Species: Canine  
Date Received: Dec 06, 2018

Tufts University-Clinical Pathology Lab  
Tracking Number: 1812050074

GI Lab Accession **B6**

Test	Result	Reference Interval	Assay Date
Ultra-Sensitive Troponin I Fasting	<b>B6</b>	≤0.06	12/06/18

**B6**

Comments:

GI Lab Contact Information

Phone: (979) 862-2861  
Fax: (979) 862-2864

Email: gilab@cvm.tamu.edu  
vetmed.tamu.edu/gilab

Client: **B6**  
Patient:

Texas A & M Cardiac Troponin - 12/5/2018



Gastrointestinal Laboratory  
Dr. J.M. Steiner  
Department of Small Animal Clinical Sciences  
Texas A&M University  
4474 TAMU  
College Station, TX 77843-4474



Important Notices:

Ongoing studies

**Cobalamin Supplementation Study**- Dogs and cats with cobalamin deficiency with normal PLI, and either normal or low (consistent with EPI) TLI to compare the efficacy of oral vs parenteral cobalamin supplementation. Contact: **B6** @cvm.tamu.edu for further information.

**Chronic Pancreatitis with Uncontrolled Diabetes Mellitus**- Seeking dogs with chronic pancreatitis and uncontrolled diabetes mellitus for enrollment into a drug trial (medication provided at no cost). Contact Dr. **B6** at **B6** @cvm.tamu.edu or Dr. **B6** at **B6** @cvm.tamu.edu

**Dogs with Primary Hyperlipidemia**- Prescription diet naïve dogs newly diagnosed with primary hyperlipidemia are eligible to be enrolled in a dietary trial. Contact Dr. **B6** at **B6** @cvm.tamu.edu for more information.

**Dogs with Chronic Pancreatitis**- Dogs with chronic pancreatitis (cPLi >400µg/L) and hypertriglyceridemia (>300 mg/dl) are eligible to be enrolled in a dietary trial. Contact Dr. **B6** at **B6** @cvm.tamu.edu

**Chronic enteropathies in dogs**- Please fill out this brief form <http://tinyurl.com/ibd-enroll> to see if your patient qualifies.

**Feline Chronic Pancreatitis**- Cats with chronic pancreatitis for more than 2 weeks and fPLI >10 µg/L are eligible for enrollment into a treatment trial investigating the efficacy of prednisolone or cyclosporine. Please contact Dr. **B6** for further information at: **B6** @cvm.tamu.edu.  
We can not accept packages that are marked "Bill Receiver"

**Use our preprinted shipping labels to save on shipping. Call 979-862-2861 for assistance. The GI Lab is not here to accept packages on the weekend. Samples may be compromised if you ship for arrival on Saturday or Sunday or if shipped via US Mail.**

GI Lab Contact Information

Phone: (979) 862-2861  
Fax: (979) 862-2864

Email: [gilab@cvm.tamu.edu](mailto:gilab@cvm.tamu.edu)  
[vetmed.tamu.edu/gilab](mailto:vetmed.tamu.edu/gilab)

Client: **B6**  
Patient: **B6**

UCDavis Taurine Level - 12/5/2018

25757

**Amino Acid Laboratory Sample Submission Form**

Amino Acid Laboratory, 1089 Veterinary Medicine Drive, Davis, Ca 95616  
Telephone: 530-752-5058, Fax: 530-752-4698  
Email: [ucd.aminoacid.lab@ucdavis.edu](mailto:ucd.aminoacid.lab@ucdavis.edu)  
[www.vetmed.ucdavis.edu/labs/amino-acid-laboratory](http://www.vetmed.ucdavis.edu/labs/amino-acid-laboratory)

**B6**

Veterinarian Contact: Dr. **B6**

Clinic/Company Name: Tufts Cummings School of Vet. Med. - Clinical Pathology Laboratory

Address: 200 Westboro Road, North Grafton MA 015369

Email: Clinpath@tufts.edu / Cardiovet@tufts.edu

Telephone: 508-887-4669 Fax: 508-839-7936

Billing Contact: **B6**

Billing Contact Phone: **B6** Tax ID: \_\_\_\_\_

Patient Name: **B6** Species: Canine

Breed: Doberman Owner's Name: **B6**

Current Diet: home cooked diet - lamb protein, broccoli, Bulwer's yeast 265

Sample type:  Plasma  Whole Blood  Urine  Food  Other \_\_\_\_\_

Test:  Taurine  Complete Amino Acids  Other: \_\_\_\_\_

**Taurine Results (lab use only)**

Plasma: \_\_\_\_\_ Whole Blood: **B6** Urine: \_\_\_\_\_ Food: \_\_\_\_\_

	Plasma (nMol/ml)		Whole Blood (nMol/ml)	
	Normal Range	No known risk for deficiency	Normal Range	No known risk for deficiency
Cat	80-120	>40	300-600	>200
Dog	60-120	>40	200-350	>150

\* Please note with the recent increase in the number of dogs screened for taurine deficiency, we are seeing dogs with values within the reference ranges (or above the "no known risk for deficiency range") yet are still exhibiting signs of cardiac disease. Veterinarians are welcome to contact our laboratory for assistance in evaluating your patient's results.

Client:  
Patient:

**B6**

**Anesthesia Record and Checklist 12/20/18**

**B6**



Client:  
Patient:

**B6**

---

**Anesthesia Record and Checklist 12/20/18**

---

**B6**



Client: **B6**  
 Patient: \_\_\_\_\_

**Anesthesia Record and Checklist 12/20/18**

**Patient ID Sticker**

Patient Name: \_\_\_\_\_

**Event Documentation**

Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Doctor: \_\_\_\_\_  
 Code Leader: \_\_\_\_\_  
 Catheter Method: IO / Cutdown / In Place Pre-Event  
 Catheter Details: \_\_\_\_\_  
 CPR: Open Chest / Closed Chest Est. Weight: \_\_\_\_\_

Describe Event: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Monitoring	Time	ECG Rhythm			EtCO <sub>2</sub>			Notes / Other					
		PEA / Asystole / VT / VFib											
		PEA / Asystole / VT / VFib											
		PEA / Asystole / VT / VFib											
		PEA / Asystole / VT / VFib											
		PEA / Asystole / VT / VFib											
Drugs / Fluids	Drug/Fluid	Time	Dose	Route	Time	Dose	Route	Time	Dose	Route	Time	Dose	Route
	Epinephrine												
	Atropine												
Defib	Time	ECG Rhythm			Joules			Notes / Other					
		VT / VFib						Internal / External					
		VT / VFib						Internal / External					
		VT / VFib						Internal / External					
		VT / VFib						Internal / External					

ROSC? Yes / No Time: \_\_\_\_\_ Added to CPR Log? Yes / No

Client: **B6**  
 Patient: **B6**

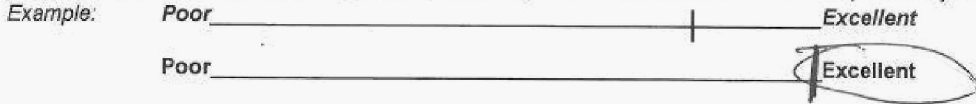
Diet history 12/5/18

**CARDIOLOGY DIET HISTORY FORM**

Please answer the following questions about your pet

Pet's name: **B6** Owner's name: **B6** Today's date: **12/5/18**

1. How would you assess your pet's appetite? (mark the point on the line below that best represents your pet's appetite)



2. Have you noticed a change in your pet's appetite over the last 1-2 weeks? (check all that apply) **NO**

Eats about the same amount as usual  Eats less than usual  Eats more than usual

Seems to prefer different foods than usual  Other \_\_\_\_\_

3. Over the last few weeks, has your pet (check one)

Lost weight  Gained weight  Stayed about the same weight  Don't know

*maybe gained tiny bit due to exercise restriction*

4. Please list below ALL pet foods, people food, treats, snack, dental chews, rawhides, and any other food item that your pet currently eats. Please include the brand, specific product, and flavor so we know exactly what you pet is eating.

Examples are shown in the table - please provide enough detail that we could go to the store and buy the exact same food.

Food (include specific product and flavor)	Form	Amount	How often?	Fed since
Nutro Grain Free Chicken, Lentil, & Sweet Potato Adult	dry	1 1/2 cup	2x/day	Jan 2018
85% lean hamburger	microwaved	3 oz	1x/week	Jan 2015
Pupperoni original beef flavor	treat	1/2	1x/day	Aug 2015
Rawhide	treat	6 inch twist	1x/week	Dec 2015
Lamb meat (Fresh from Grocery)	cooked	7 oz	3x/15	April 2008
egg (organic fresh)	Boiled/cooked	1 egg	5x/15	same as
broccoli (organic)	microwaved	1/2 cup	3x/15	above
Safflower oil (organic)	liquid	1/2 Tspoon	2x/15	same 2008
Cod Liver oil	liquid	3/4 Tsp	1x/day	same
Vitamin E Supplement	oil	8 pills	once daily	same
Seaweed Calcium	powder	1 1/4 Tspoon	1x/day	same
Special powder made up of:	powder	2 TSP	3x/15	same
Primarily Nutritional Yeast, <del>...</del> granules				

\*Any additional diet information can be listed on the back of this sheet  
 see reverse side please  
 Leathin, Kelp, E seaweed Calcium

5. Do you give any dietary supplements to your pet (for example: vitamins, glucosamine, fatty acids, or any other supplements)?  Yes  No

If yes, please list which ones and give brands and amounts:

Taurine  Yes  No *(Think Whole Foods Brand just started)* Amount per day **500 mg - 2/dy**

Carnitine  Yes  No **L-CARNITINE (just started)** **500 mg - 2/dy**

Antioxidants  Yes  No

Multivitamin  Yes  No

Fish oil  Yes  No **Cod LIVER oil Nordic Brand (whole Foods)** **3/4 TSP/dy**

Coenzyme Q10  Yes  No **(just started)** **100 mg/dy**

Other (please list): **Vit E** **Nature's Bounty whole Foods brand?** **500 mg tablets - 1 per day**

**Glucosamine** **see table above for ARTHROSE** **1-2 chews/dy**

**Safflower oil** **organic/whole Foods (from Vet)** **1 TSP - 2x/15/dy**

**cardiovascular supplements** **(VET CLASSICS BRAND)** **2 TABS chews 2x/15/dy (one off Ba list) 2-3yo**

6. How do you administer pills to your pet?

I do not give any medications

put them directly in my pet's mouth without food

put them in my pet's dog/cat food

put them in a Pill Pocket or similar product

I put them in foods (list foods): \_\_\_\_\_

Client:  
Patient:

**B6**

Diet history 12/5/18

ALSO AS TREATS AFTER MEALS:

currently Beef (dried) (single ingredient) bites - for first 6 months  
maybe 1-1/2 oz's 3x's/day

for many years prior (7-8 years) gave - have not given recently

Bison (ground) TREATS (petco) had sweet potato in them  
2-3 small biscuits after every meal

Client:  
Patient:

**B6**

**Lab Results Amino Acid Laboratory 12/05/18**

25757

**Amino Acid Laboratory Sample Submission Form**

Amino Acid Laboratory, 1089 Veterinary Medicine Drive, Davis, Ca 95616  
Telephone: 530-752-5058, Fax: 530-752-4698  
Email: [ucd.aminoacid.lab@ucdavis.edu](mailto:ucd.aminoacid.lab@ucdavis.edu)  
[www.vetmed.ucdavis.edu/labs/amino-acid-laboratory](http://www.vetmed.ucdavis.edu/labs/amino-acid-laboratory)

**B6**

Veterinarian Contact: Dr. **B6**

Clinic/Company Name: Tufts Cummings School of Vet. Med. - Clinical Pathology Laboratory

Address: **B6**

Email: Clinpath@tufts.edu / Cardiovet@tufts.edu

Telephone: 508-887-4689 Fax: 508-839-7838

Billing Contact: **B6** Email: **B6**@tufts.edu

Billing Contact Phone: **B6** Tax ID: \_\_\_\_\_

Patient Name: **B6** Species: Canine

Breed: Doberman Owner's Name: **B6**

Current Diet: home cooked diet - lamb protein, broccoli, Balance's yeast

Sample type: ~~Plasma~~  Whole Blood  Urine  Food  Other \_\_\_\_\_

Test:  Taurine  Complete Amino Acids  Other: \_\_\_\_\_

**Taurine Results (lab use only)**

Plasma: \_\_\_\_\_ Whole Blood: **B6** Urine: \_\_\_\_\_ Food: \_\_\_\_\_

	Plasma (nMol/ml)		Whole Blood (nMol/ml)	
	Normal Range	No known risk for deficiency	Normal Range	No known risk for deficiency
Cat	80-120	>40	300-600	>200
Dog	60-120	>40	200-350	>150

\* Please note with the recent increase in the number of dogs screened for taurine deficiency, we are seeing dogs with values within the reference ranges (or above the "no known risk for deficiency range") yet are still exhibiting signs of cardiac disease. Veterinarians are welcome to contact our laboratory for assistance in evaluating your patient's results.

Client: **B6**  
Patient: **B6**

Prescription Refill: **B6** ng caps (#60)

Tufts University  
Foster Hospital for Small Animals  
Hospital for Large Animals  
55 Willard Street • North Grafton, MA 01536 • (508) 839-5395

---

Patient: **B6** - canine Date: 1/9/19  
Owner: **B6**  
Address: **B6**

**Rx** **B6** SECURITY FEATURES ON BACK  
ng caps (#60):  
Give 1 capsule by mouth every 12  
hours. Give with food.

Refill: 3 **B6**  
DEA #: **B6**

Please Print

INTERCHANGE IS MANDATED UNLESS THE PRACTITIONER INDICATES "NO SUBSTITUTION" IN ACCORDANCE WITH THE LAW

01125902940

Client: **B6**  
Patient:

Prescription Refill **B6** mg capsules (#120)

Tufts University  
Foster Hospital for Small Animals  
Hospital for Large Animals  
55 Willard Street • North Grafton, MA 01536 • (508) 839-5395

Patient: **B6** Date: 1/9/17  
Owner: **B6**  
Address: **B6**

**Rx** **B6** capsules (~~120~~) (#120)  
*Give 2 caps PO Q12hrs with food*

Refill: 2 **B6**  
DEA # \_\_\_\_\_

INTERCHANGE IS MANDATED UNLESS THE PRACTITIONER INDICATES "NO SUBSTITUTION" IN ACCORDANCE WITH THE LAW

SECURITY FEATURES ON BACK  
Please Print

Client:  
Patient:

**B6**

**Nutrition Client Diet Hx Form**

**Client Diet History Form**

Submitted: 01/14/2019

**PET INFORMATION**

Pet Name	<b>B6</b>
Pet Last Name	
Pet Species/Breed	Dog / Doberman
Pet's Color	Black
Pet's Birthdate	<b>B6</b>
Pet's Sex	Male
Spayed or Neutered?	Yes

**CLIENT INFORMATION**

Client Name	<b>B6</b>
Client Address	
Client Phone	
Client Email	

**CONSULT INFORMATION**

Type of Consult	In person
HCD Being Requested?	Yes

**Reasons & Goals for Consult** **B6** has been on a home cooked (veterinarian provided) diet his whole life. He was recently dx'd wit DCM and although he is a Doberman & almost 11, I want some information on what I can do to vary his diet in case nutritional deficiencies have played a role in the dyp of his DCM. I also have another dog (non-Doberman) that has been on same diet for past 4 years and I don't want to cause harm to her.

**Attachments**

**PRIMARY VETERINARIAN INFORMATION**

rDVM Name	D <b>B6</b>
rDVM Clinic	<b>B6</b>
rDVM Phone	
rDVM Fax	
rDVM Email	

Client: **B6**  
Patient:

**Nutrition Client Diet Hx Form**

<b>Diet History Form - updated</b>
<b>Agree to Terms</b>
<b>Date Submitted</b> 01/14/2019
<b>Information to Gather</b>
<b>About You, Your Veterinarian(s) and Your Pet</b>
<b>What type of appointment are you requesting?</b> In person
<b>Has your pet been seen at Tufts in the last 6 months?</b> Yes
<b>About the Pet Owner</b>
<b>Pet owner name</b> <b>B6</b>
<b>Pet owner email</b> <b>B6</b>
<b>Address</b> <b>B6</b> United States
<b>Preferred Phone</b> <b>B6</b>
<b>Preferred Phone Type</b> Mobile
<b>Alternate Phone</b>
<b>Is there another phone number you would like to give us in case we can't reach you at one of the above?</b> No
<b>Spouse/partner/co-owner's name</b>
<b>Spouse/partner/co-owner's email</b>
<b>Spouse/partner/co-owner's phone</b>
<b>How did you hear about our service?</b> - Other



Client: **B6**  
Patient: **B6**

**Nutrition Client Diet Hx Form**

**If other, how did you find out about us?**

**B6** being seen by the cardiology dept at Tufts for DCM. Dr **B6** recommended a consult.

**Your Pet's Primary Veterinarian**

**Primary veterinarian**

Dr **B6**

**Primary veterinarian's clinic name**

**B6**

**Primary veterinarian's clinic phone**

**Primary veterinarian's clinic fax**

**Primary veterinarian's clinic email**

**Is your pet currently being (or has your pet been) seen by any other veterinarians in relation to her/his current health issues or other health issues that you'd like to discuss with us?**

Yes

**Information About Your Second Veterinarian**

**Name of 2nd veterinarian**

Dr **B6**

**Clinic name of 2nd veterinarian**

**B6**

**Phone for 2nd veterinarian's clinic**

**Fax for 2nd veterinarian's clinic**

**Email for 2nd veterinarian's clinic**

**What is this second veterinarian's role in your pet's care?**

2nd Vet when spending time in **B6**

**Should this 2nd veterinarian receive a copy of any written reports that result from working with our service?**

No

**Is your pet being seen by a 3rd veterinarian?**

Yes

**Information About Your Third Veterinarian**

**Name of 3rd veterinarian**

Tufts Cardiology and Tufts Oncology Dept

Client:  
Patient:

**B6**

---

**Nutrition Client Diet Hx Form**

---

<b>Clinic name of 3rd veterinarian</b>
<b>B6</b>
<b>Phone for 3rd veterinarian's clinic</b>
<b>Fax for 3rd veterinarian's clinic</b>
<b>Email for 3rd veterinarian's clinic</b>
<b>What is this third veterinarian's role in your pet's care?</b>
Cardiology & Oncology
<b>Should this 3rd veterinarian receive a copy of any written reports that result from working with our service?</b>
Yes
<b>Is your pet being seen by a 4th veterinarian?</b>
No
<b>About Your Pet</b>
<b>Pet's name</b>
<b>B6</b>
<b>What is your pet's species?</b>
Dog
<b>Breed</b>
Doberman
<b>Color</b>
Black
<b>Sex</b>
Male
<b>Spayed/neutered?</b>
Yes
<b>Do you know your pet's exact birthdate?</b>
Yes
<b>Pet's Birthdate</b>
<b>B6</b>
<b>What is your pet's current weight</b>
87
<b>Pounds or kilograms?</b>
lbs
<b>Has your pet gained or lost weight within the past 6 months?</b>
Stayed the same

Client:  
Patient:

**B6**

## Nutrition Client Diet Hx Form

### Which category best describes your pet?

ideal weight

### Reason and goals for consultation

**B6** has been on a home cooked (veterinarian provided) diet his whole life. He was recently dx'd with DCM and although he is a Doberman & almost 11, I want some information on what I can do to vary his diet in case nutritional deficiencies have played a role in the dev of his DCM. I also have another dog (non-Doberman) that has been on same diet for past 4 years and I don't want to cause harm to her.

### Details About Your Pet's Habits

#### Questions about your pet

#### Is your pet housed:

- Indoors

#### Please describe your pet's activity level:

Low

#### Do you have any other pets?

Yes

#### What are your other pets?

##### Species How many?

Dog Pitbull Mix

#### Do any pets have access to other pets' food?

No

#### How many people (including yourself) live in your household?

2

#### Who feeds your pet?

Mostly me but sometimes my husband

#### How many times per day do you feed your pet?

Three

#### Does your pet finish all food that is offered?

Yes

#### Does your pet have any difficulty with the following?

#### Does your pet have any of the following?

- Food allergies
- Environmental allergies

#### Please explain about your pet's conditions

Have not done extensive testing but licks feet often 7-8 mo's out of Year

Not a food allergy but after giving beef as primary protein source for 2-3 yrs. loose stool dev'd so I have been giving

Client: **B6**  
 Patient:

**Nutrition Client Diet Hx Form**

lamb for past 7-8 years. He does well with lamb. Lately I have added some beef back and he is ok.

**Have you observed any changes in any of the following?**

- Activity level

**Please explain the changes you have observed**

Low exercise tolerance- DCM related

**Have you made any recent changes in diet (last 4 weeks)?**

Yes

**Please explain the changes in your pet's diet**

Been giving some beef again. Takes pills/ meds better when put in small pieces of beef

**Your Pet's Diet**

**Do you feed your pet DRY (e.g., kibble) pet food?**

No

**Do you feed your pet WET (e.g., canned or pouched) pet food?**

No

**Do you feed your pet HOME-COOKED food?**

Yes

**Please list each kind of HOME-COOKED petfood individually**

Food/Ingredient	Amount per serving	How often given?	Fed since (mo/yr)?
Lamb	7 oz's	3 times daily	7-8 years
Broccoli	1/2 cup	3 times daily	10 years
Eggs	1 egg	5 per week	10 3/4 years
Safflower Oil	1 teaspoon	3 times daily	10 3/4 years
Cod Liver Oil	3/4 teaspoon	1 time per day	10 3/4 years
Seaweed/Calcium	1 1/4 teaspoon	1 time per day	10 3/4 years
Vitamin E	2 (200 iu) pills	1 time per day	10 3/4 years
Mixed powder- Nutritional Yeast, seaweed calcium, Lecithin Granules, & Kelp Granules	2 teaspoons	3 times daily	10 3/4 years

**Do you feed your pet TREATS?**

No

**Is there any OTHER kind of food you feed your pet?**

No

**Do you give any dietary supplements to your pet (for example: vitamins, glucosamine, fatty acids, herbs, or any other supplements)?**

Yes

**Please list any dietary supplements**

Product Name	Amount	Frequency
Vit E	365	2 (200 in tabs) per day
Taurine 500mg	Whole Foods	4 tabs daily
L-Carnitine	Whole Foods	2 (500 mg tabs )daily

Client: **B6**  
 Patient:

**Nutrition Client Diet Hx Form**

Product Name	Amount	Frequency
COQ10	Whole Foods	1 100 mg tab daily
Vetclassic Cardiovascular	2 tabs	Once daily
Vetclassics	ArtiEaseGold	1 tab twice daily
Vetclassics	S.O.D. & Boswellia joint support	2 tabs daily

**Is your pet receiving any medications?**  
 Yes

**Please list your pet's medications**

Drug Name	Dosage
<b>B6</b>	tab q 12 hrs
	tab daily
	2.5 mg tab every 12 hrs
	2 tab daily with chemo
	tab daily

**Do you use food (e.g., Pill Pockets, cheese, bread, peanut butter, etc.) to administer medications?**  
 No

**Regarding commercial diets (pet foods and treats not made in your home) your pet may have received in the past, please select the following statement that is most accurate:**  
 I have fed my pet other commercial diets in the past.

**Please list all other commercial diets you are not currently feeding but have fed to your pet in the past.**

Food	Approximate Dates	Reason for discontinuing
Used to feed Bison/ Sweet potato treats- can't remember brand	5-7 years	Weight gain, processed food concern

**Home-cooked Diets**

**Is a home-cooked diet being requested? (Please note that this option is only available for phone or in-person consults, not for consults directly with veterinarians.)**  
 Yes

**Does your pet have kidney disease?**  
 No

**Protein Sources**

- Ground beef
- Egg

**What is your pet's preferred protein?**  
 Lamb & beef

**Carbohydrate Sources**

- Oats
- Potato
- Rice
- Sweet potato

Client:  
Patient:

**B6**

---

**Nutrition Client Diet Hx Form**

---

**What is your pet's preferred carbohydrate?**

Rice or sweet potatoes

**Medical Records & Test Results**

**Requested Items**

**Would you like to upload and attach anything else to this form?**

Client: **B6**  
Patient:

RDVM: **B6** s - CBC 1/23/19

JAN/23/2019/WED 02:15 PM

FAX No.

P. 001

**B6**

**B6**

# Fax

To: Cardiologist From: **B6**  
Fax: **B6** Pages: 5  
Phone: \_\_\_\_\_ Date \_\_\_\_\_  
Re: **B6** cc: \_\_\_\_\_

Urgent  For Review  Please Comment  Please Reply  Please Recycle

Comments:

Client: **B6**  
Patient: **B6**

RDVM **B6** s - CBC 1/23/19

JAN/23/2019/WED 02:15 PM

FAX No.

P. 003  
Page 1 of 4

**Zoasis - Superchem, Complete Blood Count, T4, Urinalysis-Complete**  
Date Performed: 01/23/2019 02:37 AM

Patient Info:  
ID: 11310 B  
Name:  
Owner: **B6**  
Provider: 8

Species: Canine  
Breed: Doberman Pinscher  
Birthdate: **B6**  
Sex: MN

Clinic:  
**B6**

Accession Result ID **B6**

Superchem

Total Protein	5.0-7.4 g/dL
Albumin	2.7-4.4 g/dL
Globulin	1.6-3.6 g/dL
A/G Ratio	0.8-2.0
AST (SGOT)	15-66 IU/L
ALT (SGPT)	12-118 IU/L
Alk Phosphatase	5-131 IU/L
GGTP	1-12 IU/L
Total Bilirubin	0.1-0.3 mg/dL
Urea Nitrogen	6-31 mg/dL
Creatinine	0.5-1.6 mg/dL
BUN/Creatinine Ratio	4-27
Phosphorus	2.5-6.0 mg/dL
Glucose	70-138 mg/dL
Calcium	8.9-11.4 mg/dL
Corrected Calcium	

**B6**

**B6**

file:///C:/Program%20Files%20(x86)

**B6**

1/23/2019



Client: **B6**  
Patient: **B6**

RDVM **B6** s - CBC 1/23/19

JAN/23/2019 WED 02:15 PM

FAX No.

P. 004

1/23/2019

**B6**

file:///C:/Program%20Files

CPK	59-895 IU/L	
Complete Blood Count		
WBC	4.0-15.5 $10^3/\mu\text{L}$	
RBC	4.8-9.3 $10^6/\mu\text{L}$	
Hemoglobin	12.1-20.3 g/dL	
Hematocrit	36-60 %	
MCV	58-79 fL	
MCH	19-28 pg	
MCHC	30-38 g/dL	
Platelet Count	170-400 $10^3/\mu\text{L}$	
Platelet EST		
Magnesium	1.5-2.5 mEq/L	
Sodium	138-154 mEq/L	
Potassium	3.6-5.5 mEq/L	
Na/K Ratio	27-38	
Chloride	102-120 mEq/L	
Cholesterol	92-224 mg/dL	
Triglycerides	29-291 mg/dL	
Amylase	290-1125 IU/L	
PrecisionPSL	24-140 U/L	
Pancreatitis is unlikely, but a normal PrecisionPSL result does not rule out pancreatitis as a cause for gastrointestinal signs.		
CPK	59-895 IU/L	
Complete Blood Count		
WBC	4.0-15.5 $10^3/\mu\text{L}$	
RBC	4.8-9.3 $10^6/\mu\text{L}$	
Hemoglobin	12.1-20.3 g/dL	
Hematocrit	36-60 %	
MCV	58-79 fL	
MCH	19-28 pg	
MCHC	30-38 g/dL	
Platelet Count	170-400 $10^3/\mu\text{L}$	
Platelet EST		

**B6**

**B6**

**B6**

Client:  
Patient:

**B6**

RDVM

**B6**

- CBC 1/23/19

JAN/23/2019/WED 02:16 PM

FAX No.

P. 005  
Page 3 of 4

Neutrophils	60-77 %
Bands	0-3 %
Lymphocytes	12-30 %
Monocytes	3-10 %
Eosinophils	2-10 %
Basophils	0-1 %
Absolute Neutrophils	2060-10600 / $\mu$ L
Absolute Lymphocytes	690-4500 / $\mu$ L
Absolute Monocytes	0-840 / $\mu$ L
Absolute Eosinophils	0-1200 / $\mu$ L
Absolute Basophils	0-150 / $\mu$ L
T4	
T4	0.8-3.5 $\mu$ g/dL

**B6**

**B6**

The Total T4 result is less than 1.0 mcg/dl. A Free-T4 by equilibrium dialysis may be helpful in supporting the diagnosis of hypothyroidism in patients demonstrating clinical signs compatible with hypothyroidism. Please contact Customer Service for this additional testing.

Urinalysis-Complete

Collection Method  
Natural Voiding

Color

Appearance

Specific Gravity

pH

**B6**

1.015-1.050

5.5-7.0

**B6**

file:///C:/Program%20Files%20(x86

**B6**

20Solutions/Impr... 1/23/2019

Client: **B6**  
Patient: **B6**

RDVM **B6** - CBC 1/23/19

JAN/23/2019/WED 02:16 PM

FAX No.

P. 006

1/23/2019

**B6**

file:///C:/Program%20Files%

0-3 HPF	Squamous Epithelia
None Seen HPF	Bacteria
HPF	Crystals
Hyaline 0-3 LPF	Casts
0-3 HPF	RBC
0-3 HPF	WBC
Negative	Blood
Neg To 1+	Bilirubin
Negative	Ketone
Negative	Glucose

**B6**

Microalbuminuria testing is recommended (if sediment is inactive) to help determine the clinical significance of proteinuria.

Negative

**B6**

Protein

Client: **B6**  
Patient: **B6**

2/20/19 signed Estimate

**Cummings**  
Veterinary Medical Center  
AT TUFTS UNIVERSITY

## Treatment Plan

Estimated Charges  
02/19/2019

**B6**

**B6**

*This estimate is based upon our preliminary examination. This is an estimate and is not the final bill. Every effort will be made to keep you informed of the current status of your bill throughout your animal's hospitalization. The final fee may vary considerably from this estimated cost.*

Patient	Description	Low Qty	Low Extended	HighQty	High Extended
<b>B6</b>	Ligasure - FHSA	1.00			
	Hospitalization: Day Board (Dog)	1.00			
	Anesthesia < 1/2 Hr	1.00			
	Histopathology: Small Tissue (<6cm) - FHSA	1.00			
	General Procedure: Surgery	1.00			
	Anesthesia Work-Up	1.00			

**B6**

Doctor of Record: **B6**

**B6**

I understand that no guarantee of successful treatment is made. I certify that I have read and fully understand the authorization for medical and/or surgical treatment, the reason for why such medical and/or surgical treatment is considered necessary, as well as its advantages and possible complications, if any. I also assume financial responsibility for all charges incurred to this patient(s). I agree to pay 75% of the estimated cost at the time of admission. Additional deposits will be required if additional care or procedures are required. I further agree to pay the balance of the charges when this patient(s) is released.  
Procedural billing is inclusive up to and including the estimated duration of hospitalization. There will be additional expenses if hospitalization extends beyond the specified duration.  
I have read, understand, and agree to accept the conditions of this treatment plan.

Thank you for entrusting us with your pet's care.

High Total  
Low Total  
75% Deposit

**B6**

Client:  
Patient:

**B6**

**Anesthesia Record and Checklist 02/20/19**

**B6**



Client: **B6**  
Patient:

Anesthesia Record and Checklist 02/20/19

**B6**

Client:  
Patient:

**B6**

**Anesthesia Record and Checklist 02/20/19**

**Patient ID Sticker**

Patient Name: \_\_\_\_\_

**Event Documentation**

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Doctor: \_\_\_\_\_

Code Leader: \_\_\_\_\_

Catheter Method: IO / Cutdown / In Place Pre-Event

Catheter Details: \_\_\_\_\_

CPR: Open Chest / Closed Chest Est. Weight: \_\_\_\_\_

Describe Event: \_\_\_\_\_

Monitoring	Time	ECG Rhythm			EtCO <sub>2</sub>			Notes / Other					
		PEA / Asystole / VT / VFib											
		PEA / Asystole / VT / VFib											
		PEA / Asystole / VT / VFib											
		PEA / Asystole / VT / VFib											
		PEA / Asystole / VT / VFib											
Drugs / Fluids	Drug/Fluid	Time	Dose	Route	Time	Dose	Route	Time	Dose	Route	Time	Dose	Route
	Epinephrine												
	Atropine												
Defib	Time	ECG Rhythm			Joules			Notes / Other					
		VT / VFib						Internal / External					
		VT / VFib						Internal / External					
		VT / VFib						Internal / External					

ROSC? Yes / No Time: \_\_\_\_\_

Added to CPR Log? Yes / No



Client: **B6**  
Patient: **B6**

**IDEXX BNP 3/7/19**

**B6**

Client: **B6** Patient: **B6**

Client: **B6**  
Patient: **B6**  
Species: CANINE  
Breed: DOBERMAN\_PINSCH  
Gender: MALE NEUTERED  
Age: 10Y

Date: 03/07/2019  
Requisition #: 1A  
Accession #: **B6**  
Ordered by: **B6**

IDEXX VetConnect 1-888-433-9967  
**TUFTS UNIVERSITY**  
200 WESTBORO RD  
NORTH GRAFTON, Massachusetts 01536  
508-839-5395  
Account #88933

**CARDIOPET proBNP- CANINE**

Test	Result	Reference Range	Low	Normal	High
CARDIOPET proBNP -CANINE	<b>B6</b>	0 - 900 pmol/L	HIGH		<b>B6</b>

**B6**

Please note: Complete interpretive comments for all concentrations of cardiopet proBNP are available in the online directory of services. Serum specimens received at room temperature may have decreased NT-proBNP concentrations.

Client: **B6**  
Patient: **B6**

**Commercial Diet Plan**

**Clinical Nutrition Service**

Foster Hospital for Small Animals  
200 Westboro Road  
North Grafton, MA 01536  
Phone: (508) 887-4696 Attn: Nutrition Liaison  
Fax: 508-887-4363  
[www.petfoodology.org](http://www.petfoodology.org)  
[vetnutrition@tufts.edu](mailto:vetnutrition@tufts.edu)



**Commercial Diet Plan**

3/12/2019 (phone appointment 2/19/19)

Pet Name: **B6**

Signalment: 11 year old neutered male Doberman pinscher

Weight: 83.8 pounds (38.1 kg)

Body condition score: 5-6/9, Muscle condition score: Normal

Relevant health conditions: high grade oral fibrosarcoma, DCM, atrial fibrillation, partial Von Willebrand Factor deficiency, history skin allergies and gastrointestinal upset

Referring veterinarians: Drs. **B6**, FHSA; Dr. **B6**

**Diet History (at time of appointment):**

- Current diet: Lamb, broccoli, eggs, mixed powder – nutritional yeast, seaweed calcium, lecithin granules, kelp granules
- Medications: **B6**
- Supplements: safflower oil, cod liver oil, seaweed calcium, vitamin E, taurine, L-carnitine, CoQ10, Vetclassic Cardiovascular, Vetclassics ArtiEaseGold, Vetclassics S.O.D & Boswellia joint support
- Medication administration: N/A
- Estimated intake: unable to estimate

**Nutritional Goals**

- Meet calorie needs to maintain body weight
- Meet essential nutrient needs
- Low sodium (< 80 mg/100 kcal)
- Moderate to high protein
- Omega-3 fatty acid supplementation

**Recommendations:**

- **B6** home-cooked diet at the time of his appointment was not meeting his nutritional needs as it was deficient in a number of essential nutrients. You ended up with this diet through experimentation, trying to avoid signs of skin allergies as well as poor stool quality and other gastrointestinal signs. Since your appointment, **B6** appetite has been much more variable – he has been unwilling to eat the same things every day.
- For dogs with heart disease who have not yet experienced heart failure, we recommend avoiding high sodium diets and treats and considering fish oil supplementation. Some dogs develop muscle loss with or without fat loss as their heart disease progresses. Feeding a higher protein diet and supplementing with fish oil may have benefit in preventing or treating this condition. There may also be some benefit of CoQ10, taurine, and carnitine supplementation, but ideal doses are unknown. **B6** taurine level came back high normal, so his DCM is less likely to be related to taurine deficiency, but it is fine to continue supplementation if you prefer.
- Both cancer and heart disease can cause changes in appetite and muscle and weight loss in dogs, so it is hard to know which is contributing the most to **B6** current appetite issues. In addition to appetite stimulants like Entyce, there are other "tricks" that may help increase **B6**'s calorie intake:
  - Rotating diets when **B6** gets picky may help ensure that a nutritionally balanced diet is eaten in appropriate amounts. Other techniques that you can utilize to optimize **B6**'s appetite include:
    - Changing the temperature of the food - every dog is a little bit different and some dogs

**Commercial Diet Plan**

prefer their food warmed, while others like it chilled. You can put canned food in the microwave for 10-15 seconds or put it in the freezer for 15 minutes to see if temperature makes a difference.

- A change of scenery - sometimes changing the feeding location can improve appetite. Try to offer food in a different room or outside. Sometimes feeding next to another pet can also encourage eating, although you need to ensure that fights do not occur over food.
- A different dish - try to offer B6 meal on one of your dinner plates or in a different type of bowl. Some dishes, particularly plastic, can retain unpleasant odors or flavors.
- Palatability enhancers can be used to encourage him to eat the appropriate diets if necessary, but ideally should not be used at every meal. Many dogs like sweet things and maple syrup, brown sugar, applesauce or fruit yogurt may be appealing as well as fats such as butter, lard, etc. Ideally, the total calories (noted below) from these foods and treats should not exceed B6's 10% treat allowance (see treat section) on regular basis.
- We discussed making a balanced home-cooked diet for B6 at your appointment, but his changes in appetite since then make this an impractical option as he is not currently willing to eat any food items consistently enough to be worth formulating a nutritionally complete recipe for him (all ingredients bring with them different nutrient profiles and are not interchangeable in a recipe). Therefore, we recommend mixing and matching commercial foods as needed to meet his energy needs, monitoring him for an increase in allergy signs or poor stool quality. If his appetite becomes more consistent, we can revisit the idea of a home-cooked diet if desired.
- Our estimate of B6 daily calorie requirements is around 1500 kilocalories (kcal) per day, with no more than 150 of these calories in the form of treats. One kilocalorie is equivalent to one human Calorie.
- We have a list of low sodium commercial diets on our "Heartsmart" website: <http://vetmed.tufts.edu/wp-content/uploads/Low-sodium-diet-list-2019-dog.pdf>
- Below are some additional commercial foods that meet our nutritional goals. You can mix and match the canned and dry based on B6 preference.

Diet	Kcal/cup or can	Sodium mg/100kcal	Daily Feeding Amount (cups or cans)
Wellness Simple Duck & Oatmeal (dry)	450	23	3
Wellness CORE Senior (dry)	359	55	3 3/4
Nutro Wholesome Essentials Adult Chicken, Brown Rice & Sweet potato (dry)	343	80	3 7/8
Purina ONE SmartBlend True Instinct Tender Cuts in Gravy with real chicken (can)	427	52	3 1/8
Wellness Core 95% Beef with Carrots (12.5 oz can)	427	69	3 1/8

**Supplements:**

- Unfortunately, there is little regulation of supplements for people or animals (neither safety nor efficacy has to be proven prior to marketing) and some of these products may be harmful rather than helpful. Therefore, we are quite selective when it comes to recommending specific supplements. We usually only recommend a product where there is adequate data to show that it is safe and has a reasonable expectation of efficacy.
- While taurine, carnitine, and coQ10 may have some benefits for dogs with heart disease, Vetclassic supplement contains all of these ingredients that you are supplementing separately, plus others. Feeding multiple supplements with the same ingredients is not ideal as it could lead to excess nutrient levels and makes it hard to keep track of how much he is getting. Likewise, both the ArtiEase Gold and the SOD & Boswellia joint products have overlapping ingredients both with each other, and with the cardiac supplement. We recommend stopping all of the Vetclassic supplements. It is fine to continue the taurine, carnitine, and CoQ10 separately.
- Glucosamine, chondroitin, and MSM supplements are intended to slow the degradation of joint cartilage and the development of arthritis and provide some relief to dogs that already have it. The data to support benefits of these products is currently equivocal, but they are unlikely to be harmful. Brands that we can recommend that are validated and have research behind them include the veterinary brands Cosequin or Dasuquin and we would recommend these products over the joint supplements that you have been using.
- The nutritional yeast, safflower oil, kelp, and other supplements for his home-cooked diet can be

**Commercial Diet Plan**

discontinued.

- Quality control of fish oil supplements can vary widely; we recommend using one of the following brands as these supplements have been independently validated to contain the appropriate amount of omega fatty acids and are concentrated to reduce the number of capsules that must be given:
  - GNC Triple Strength Fish Oil 1500 (1000 mg EPA + DHA per softgel): 2-3 softgels per day
  - Swanson EFA's Super EPA (500 mg EPA + DHA per softgel): 5 softgels per day

Although omega-3 fatty acids may have some benefits, if Brom doesn't like the taste, you'll either need to administer as capsules like a medication so they aren't chewed, or discontinue giving them so this doesn't adversely affect appetite.

**Treats/Palatability enhancers:**

- B6** should ideally receive a maximum of 10% of the daily calorie intake (150 kcal/day) from treats. These extra calories can be given as treats or mixed in with the diet for variety. If the total amount of the diet being fed is altered, the treat allowance should be adjusted accordingly so that treats never exceed 10% of total calories to avoid unbalancing the home-cooked diet (or a commercial diet) by nutrient dilution.
- The calorie and nutrient information for human foods can be found on the packaging or on the USDA database: <http://www.nal.usda.gov/fnic/foodcomp/search/>. Please note that calories are listed as "energy" with units of kcals. Some treat suggestions include:

Food (raw unless noted)	Amount	Calories
Honey	1 tbsp	64
Maple Syrup	1 tbsp	52
Brown Sugar	1 packed tsp	17
Chicken fat	1/2 tbsp	57
Lard	1/2 tbsp	57
Molasses	1 tbsp	58
Butternut or acorn winter squash (cooked)	1/4 cup cubes	15
Baby carrots	1 baby carrot	4-5
Green beans	1 green bean	2
Sweet red peppers	1/2 cup chopped	23
Broccoli	1/2 cup chopped or diced	15
Green peas	1/8 cup green peas	15
Cucumbers	1 cup slices	16
Apples	1/4 cup chopped	15
Strawberry	1 medium 1.5 inch strawberry	6
Blueberries	1/4 cup blueberries or 25 berries	20
Bananas	1/8 cup bananas	17

- You can also use lamb, salmon, beef, or other meats that you know that **B6** likes to top dress commercial food if needed, trying to stay within his treat allowance.
- Additional treat suggestions are available online: <http://vetmed.tufts.edu/wp-content/uploads/low-salt-treats-and-med-administration-2018.pdf>

**Foods to AVOID:**

- Avoid macadamia nuts, avocado, garlic, onions, grapes, raisins, xylitol, and other foods known or suspected to be toxic to dogs.
- High sodium foods - most bread products, cheese, deli or processed meats, fast food, crunchy human snack foods, pizza.
- Commercial canned broths should also be avoided as even the low sodium options are too high in salt for **B6**. If you would like to put a small amount of broth on **B6** food, it is best to boil meat in plain water with no seasoning and use this broth without the meat. Alternatively, you can try the broths made for dogs by the Fruitables company.

**Medication Administration:**

- The best foods for giving medications would be one of the above noted canned diets. You can roll the canned food into a meatball and put the pill in the middle of the meatball. However, this does run the risk of

Client: **B6**  
Patient: **B6**

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## Commercial Diet Plan

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causing a food aversion, so please proceed cautiously. Alternately, you can use small pieces of white bread, mini marshmallows, marshmallow Fluff, or fruit (such as a banana or melon). Pill Pockets can also be used (9 kcal per tablet size, 23-29 kcal per capsule size). The calories from all foods used to administer medications should be subtracted from **B6** treat allowance. Please let us know if you need additional options for administering medications.

### Follow Up:

- Please monitor **B6** weight and calorie intake (to the best of your ability). He can stay on an appetite stimulant long-term if needed.
- Please follow the recommendations of the oncology and cardiology services with regards to management of Brom's tumor and heart disease.
- These diet recommendations may require re-evaluation in the future if the diets are not tolerated or palatable, or if **B6** develops any additional health problems; a recheck fee may apply.
- A recheck appointment or additional fees may be required for ongoing case management. We will advise you when we feel that this is appropriate.

Please contact us if you have any questions about **B6** nutritional plan.

Sincerely,

**B6** VMD, MS, DACVN  
Clinical Nutrition Service

Client: **B6**  
 Patient: **B6**

Diet Hx 3/7/19

**CARDIOLOGY DIET HISTORY FORM**

Please answer the following questions about your pet

Pet's name: **B6** Owner's name: **B6** Today's date: **3/7/19**

1. How would you assess your pet's appetite? (mark the point on the line below that best represents your pet's appetite)  
 Example: **Poor** \_\_\_\_\_ | \_\_\_\_\_ **Excellent**

**Poor** \_\_\_\_\_ | \_\_\_\_\_ **Excellent**

2. Have you noticed a change in your pet's appetite over the last 1-2 weeks? (check all that apply)

- Eats about the same amount as usual  Eats less than usual  Eats more than usual  
 Seems to prefer different foods than usual  Other **Liver / Turkey & Beef**

3. Over the last few weeks, has your pet (check one)

- Lost weight  Gained weight  Stayed about the same weight  Don't know  
**4 lbs**

4. Please list below ALL pet foods, people food, treats, snack, dental chews, rawhides, and any other food item that your pet currently eats. Please include the brand, specific product, and flavor so we know exactly what you pet is eating.

Examples are shown in the table – please provide enough detail that we could go to the store and buy the exact same food.

Food (include specific product and flavor)	Form	Amount	How often?	Fed since
Nutro Grain Free Chicken, Lentil, & Sweet Potato Adult	dry	1 1/2 cup	2x/day	Jan 2018
85% lean hamburger	microwaved	3 oz	1x/week	Jan 2015
Pupperoni original beef flavor	treat	1/2	1x/day	Aug 2015
Rawhide	treat	6 inch twist	1x/week	Dec 2015
<del>Beef</del> <b>Beef</b> <del>Beef Stew meat</del> <b>Beef Stew meat</b>	<del>fresh/cooked</del> <b>fresh/cooked</b>	<del>only 1oz max</del> <b>1-2oz</b>	<del>1x/day</del> <b>1x/day</b>	<del>PAST 2 WKS</del> <b>PAST 3 WKS</b>
<del>Lamb</del> <b>Lamb</b> <del>Lamb Stew meat</del> <b>Lamb Stew meat</b>	<del>fresh/cooked</del> <b>fresh/cooked</b>	<del>5-6oz</del> <b>5-6oz</b>	<del>1x/day</del> <b>1x/day</b>	<del>PAST 2 WKS</del> <b>PAST 3 WKS</b>
<del>NOT eating broccoli anymore</del>				
<del>egg</del> <b>egg</b>	<del>hard boiled</del> <b>hard boiled</b>	<del>whole egg</del> <b>whole egg</b>	<del>1-2/wk</del> <b>1-2/wk</b>	<del>PAST 2 WKS</del> <b>PAST 2 WKS</b>

\*Any additional diet information can be listed on the back of this sheet **stopped eating BMDO TREATS feeding ASD, I no longer add oil or powder to his food, very sensitive to smell**

5. Do you give any dietary supplements to your pet (for example: vitamins, glucosamine, fatty acids, or any other supplements)?  Yes  No If yes, please list which ones and give brands and amounts:

Supplement	Yes	No	Brand/Concentration	Amount per day
Taurine ✓	<input type="checkbox"/>	<input type="checkbox"/>		
Carnitine ✓	<input type="checkbox"/>	<input type="checkbox"/>		
Antioxidants	<input type="checkbox"/>	<input type="checkbox"/>		
Multivitamin	<input type="checkbox"/>	<input type="checkbox"/>		
Fish oil ✓ cod liver	<input type="checkbox"/>	<input type="checkbox"/>		
Coenzyme Q10 ✓	<input type="checkbox"/>	<input type="checkbox"/>		
Other (please list): Example: Vitamin C			<b>Nature's Bounty</b>	<b>500 mg tablets - 1 per day</b>

6. How do you administer pills to your pet?  
 I do not give any medications  
 I put them directly in my pet's mouth without food  
 I put them in my pet's dog/cat food  
 I put them in a Pill Pocket or similar product  
 I put them in foods (list foods): **no beef cubes or lamb cubes but BMDO do not work anymore**

Client: **B6**  
Patient: **B6**

**Registration**

**B6**

**Client and Pet Registration Form**

Client Name: **B6**  
Spouse/Partner: **B6**  
Address: **B6**  
City, State, Zip: **B6**  
Home Phone: **B6**  
Work Phone: **B6**  
Cell Phone: **B6**  
Email: **B6**  
Pager: **B6**

Pet Name: **B6**  
Patient ID: 320320  
Date of Birth: **B6**  
Age: **B6** Years Old  
Species: Canine  
Breed: Doberman Pinscher  
Color: Black/Tan  
Sex: Male (Neutered)  
Weight: Weight (kg) 38.10 kg  
Rabies Date:

Referring Veterinarian

**B6**

**B6**

**B6**

**Agreement and Consent:**

- I agree to pay for all services rendered to my pet at the end of today's examination.
- I understand that payment is required at the time of service.
- I understand that the cost of the initial exam **does not** cover any further diagnostics, treatments, or medications that may be necessary for my pet.
- I understand that if further diagnostics or treatments are recommended by the doctor I may request an estimate of those charges first.
- I understand that I have the right to refuse any treatments, diagnostics, or medications that have been recommended to me by the doctor.

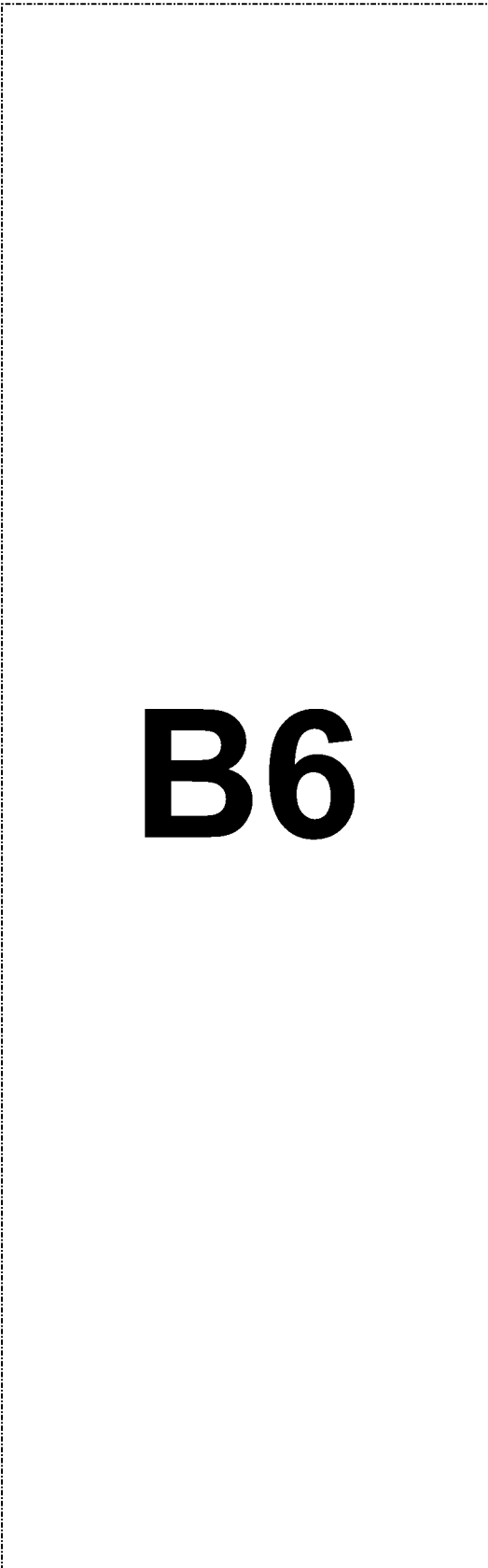
Signature: **B6**  
You and your doctor will be provided with a report from the doctor for every examination performed on your pet at **B6** Thank you for trusting us to care for your pet!

Date: 3/18/2019

Client: **B6**  
Patient: ~~XXXX~~

**Vitals Results**

7/8/2015 4:00:07 PM Heart Rate (/min)  
7/8/2015 4:00:08 PM Respiratory Rate  
7/8/2015 4:00:09 PM Temperature (F)  
7/8/2015 4:00:10 PM Weight (kg)  
7/8/2015 4:33:00 PM Nursing note  
7/16/2015 9:11:25 PM Nursing note  
  
7/16/2015 9:18:15 PM Weight (kg)  
7/16/2015 9:22:01 PM Nursing note  
  
7/16/2015 9:38:48 PM Weight (kg)  
7/16/2015 9:39:07 PM Interest in water  
7/16/2015 9:43:31 PM Eliminations  
7/16/2015 11:59:09 PM Respiratory Rate  
7/16/2015 11:59:35 PM Heart Rate (/min)  
7/16/2015 11:59:48 PM Eliminations  
7/16/2015 11:59:54 PM Eliminations  
7/17/2015 3:50:51 AM Eliminations  
7/17/2015 3:51:12 AM Respiratory Rate  
7/17/2015 3:51:21 AM Eliminations  
7/17/2015 3:51:30 AM Heart Rate (/min)  
7/17/2015 7:15:01 AM Weight (kg)  
7/17/2015 7:21:38 AM Heart Rate (/min)  
7/17/2015 7:21:53 AM Respiratory Rate  
7/17/2015 7:37:07 AM Eliminations  
7/17/2015 11:27:43 AM Eliminations  
7/17/2015 11:51:09 AM Notes  
7/17/2015 2:33:23 PM Notes  
  
7/17/2015 2:46:01 PM Anesthesia Notes  
7/17/2015 3:15:39 PM Eliminations  
  
7/17/2015 3:16:39 PM Respiratory Rate  
7/17/2015 3:16:52 PM Heart Rate (/min)  
7/17/2015 7:47:02 PM Temperature (F)  
7/17/2015 7:47:09 PM Eliminations  
7/17/2015 7:47:24 PM Amount eaten  
  
7/17/2015 7:47:46 PM Respiratory Rate  
7/17/2015 7:47:53 PM Heart Rate (/min)





Client: **B6**  
Patient:

**Vitals Results**

7/17/2015 11:26:08 PM	Heart Rate (/min)
7/17/2015 11:26:13 PM	Respiratory Rate
7/17/2015 11:26:33 PM	Eliminations
7/18/2015 3:25:33 AM	Respiratory Rate
7/18/2015 3:25:44 AM	Heart Rate (/min)
7/18/2015 3:25:52 AM	Eliminations
7/18/2015 3:30:48 AM	Amount eaten
7/18/2015 7:25:36 AM	Weight (kg)
7/18/2015 7:26:23 AM	Eliminations
7/18/2015 7:40:47 AM	Nursing note
7/18/2015 8:08:14 AM	Temperature (F)
7/18/2015 8:08:28 AM	Respiratory Rate
7/18/2015 8:08:43 AM	Heart Rate (/min)
7/18/2015 11:41:13 AM	Respiratory Rate
7/18/2015 11:49:35 AM	Heart Rate (/min)
7/18/2015 12:17:48 PM	Eliminations
7/18/2015 12:20:33 PM	Amount eaten
7/18/2015 3:05:57 PM	Eliminations
7/18/2015 3:30:20 PM	Respiratory Rate
7/18/2015 3:30:28 PM	Heart Rate (/min)
7/18/2015 7:21:10 PM	Eliminations
7/18/2015 7:38:23 PM	Amount eaten
7/18/2015 7:48:48 PM	Temperature (F)
7/18/2015 7:49:31 PM	Heart Rate (/min)
7/18/2015 7:49:43 PM	Respiratory Rate
7/18/2015 10:35:56 PM	Eliminations
7/19/2015 12:01:58 AM	Eliminations
7/19/2015 12:09:36 AM	Heart Rate (/min)
7/19/2015 12:09:41 AM	Respiratory Rate
7/19/2015 4:15:02 AM	Respiratory Rate
7/19/2015 4:27:58 AM	Nursing note
7/19/2015 4:34:44 AM	Amount eaten
7/19/2015 4:40:11 AM	Eliminations
7/19/2015 4:40:24 AM	Heart Rate (/min)
7/19/2015 7:28:16 AM	Eliminations
7/19/2015 7:30:45 AM	Notes

**B6**

Client:  
Patient:

**B6**

**Vitals Results**

7/19/2015 7:35:16 AM	Temperature (F)
7/19/2015 7:35:24 AM	Respiratory Rate
7/19/2015 7:35:32 AM	Heart Rate (/min)
12/5/2018 9:35:36 AM	Weight (kg)
12/20/2018 8:06:54 AM	Nursing note
12/20/2018 9:07:11 AM	Nursing note
12/20/2018 9:28:36 AM	Body Condition Score (BCS)
12/20/2018 9:28:37 AM	Temperature (F)
12/20/2018 9:28:39 AM	Heart Rate (/min)
12/20/2018 9:28:40 AM	Respiratory Rate
12/20/2018 9:28:41 AM	Muscle Condition Score (MCS)
12/20/2018 9:28:42 AM	Pain assessment
12/20/2018 11:31:47 AM	Heart Rate (/min)
12/20/2018 11:31:56 AM	Respiratory Rate
12/20/2018 11:32:05 AM	Eliminations
12/20/2018 12:56:10 PM	Anesthesia Notes
12/20/2018 1:22:46 PM	Incision check
12/20/2018 1:23:10 PM	Pain assessment
12/20/2018 3:29:03 PM	Cardiac rhythm
12/20/2018 3:29:04 PM	Heart Rate (/min)
12/20/2018 3:36:49 PM	Eliminations
12/20/2018 3:37:07 PM	Respiratory Rate
12/20/2018 3:38:27 PM	Interest in water
1/2/2019 12:33:50 PM	Weight (kg)
2/20/2019 8:31:42 AM	Eliminations
2/20/2019 8:32:12 AM	Weight (kg)
2/20/2019 8:33:08 AM	Interest in water
2/20/2019 8:37:04 AM	Temperature (F)
2/20/2019 8:37:06 AM	Heart Rate (/min)
2/20/2019 8:37:07 AM	Respiratory Rate
2/20/2019 8:48:04 AM	Body Condition Score (BCS)
2/20/2019 9:37:17 AM	Notes
2/20/2019 11:29:12 AM	Respiratory Rate
2/20/2019 11:31:48 AM	Heart Rate (/min)
2/20/2019 11:31:54 AM	Eliminations
2/20/2019 2:12:01 PM	Anesthesia Notes
3/7/2019 10:32:38 AM	Weight (kg)
3/19/2019 10:17:26 AM	Weight (kg)
3/21/2019 7:58:08 AM	Weight (kg)

**B6**

Client:  
Patient:

**B6**

---

**Vitals Results**

---

3/21/2019 7:59:28 AM	Nursing note
3/21/2019 8:56:05 AM	Body Condition Score (BCS)
3/21/2019 8:56:06 AM	Temperature (F)
3/21/2019 8:56:07 AM	Weight (kg)
3/21/2019 8:56:08 AM	Heart Rate (/min)
3/21/2019 8:56:09 AM	Respiratory Rate
3/21/2019 8:56:10 AM	Muscle Condition Score (MCS)
3/21/2019 8:56:11 AM	Pain assessment
3/21/2019 9:23:07 AM	Interest in water

**B6**

Client:  
Patient: **B6**

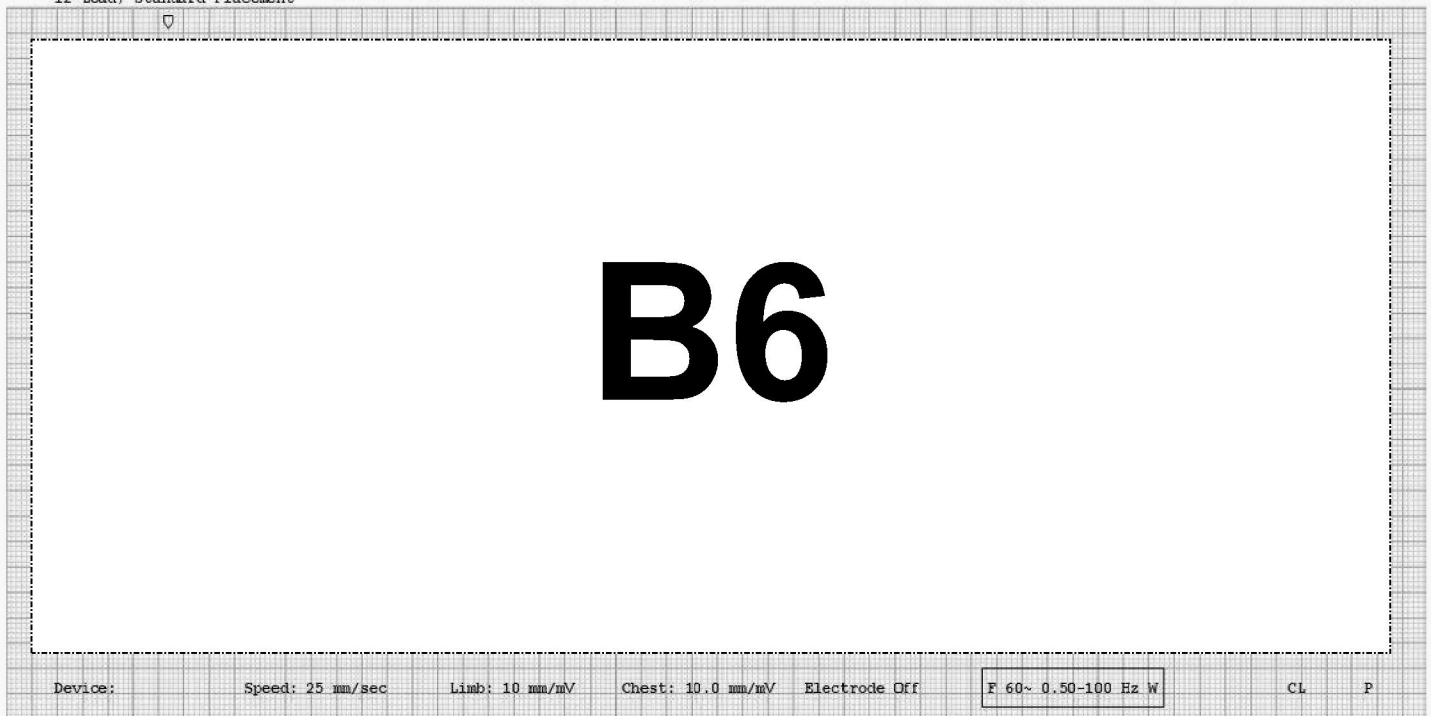
**ECG from Cardio**

**B6**

12/5/2018 11:21:48 AM

Tufts University  
Tufts Cummings School of Vet Med  
Cardiology

12 Lead: Standard Placement



Client:  
Patient:

**B6**

**ECG from Cardio**

**B6**

12/5/2018 11:22:50 AM

Page 1 of 2

Tufts University  
Tufts Cummings School of Vet Med  
Cardiology

12 Lead: Standard Placement

**B6**

Device: Speed: 50 mm/sec Limb: 10 mm/mV Chest: 10.0 mm/mV Electrode Off F 60~ 0.50-100 Hz W CL P

Client:  
Patient:

**B6**

ECG from Cardio

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**B6**

12/5/2018 11:22:50 AM

Page 2 of 2

Tufts University  
Tufts Cummings School of Vet Med  
Cardiology

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**B6**

Client:  
Patient: **B6**

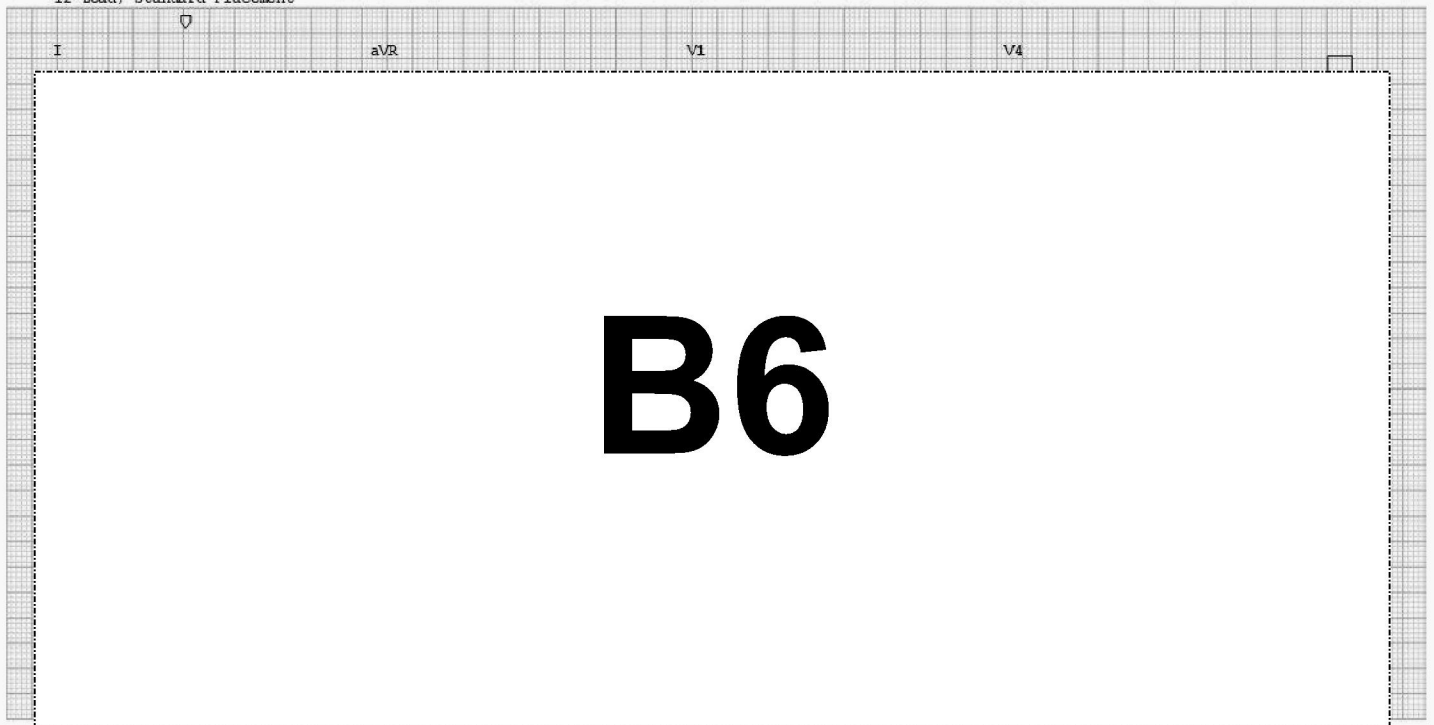
**ECG from Cardio**

**B6**

12/5/2018 11:23:04 AM

Tufts University  
Tufts Cummings School of Vet Med  
Cardiology

12 Lead: Standard Placement



Client:  
Patient:

**B6**

**ECG from Cardio**

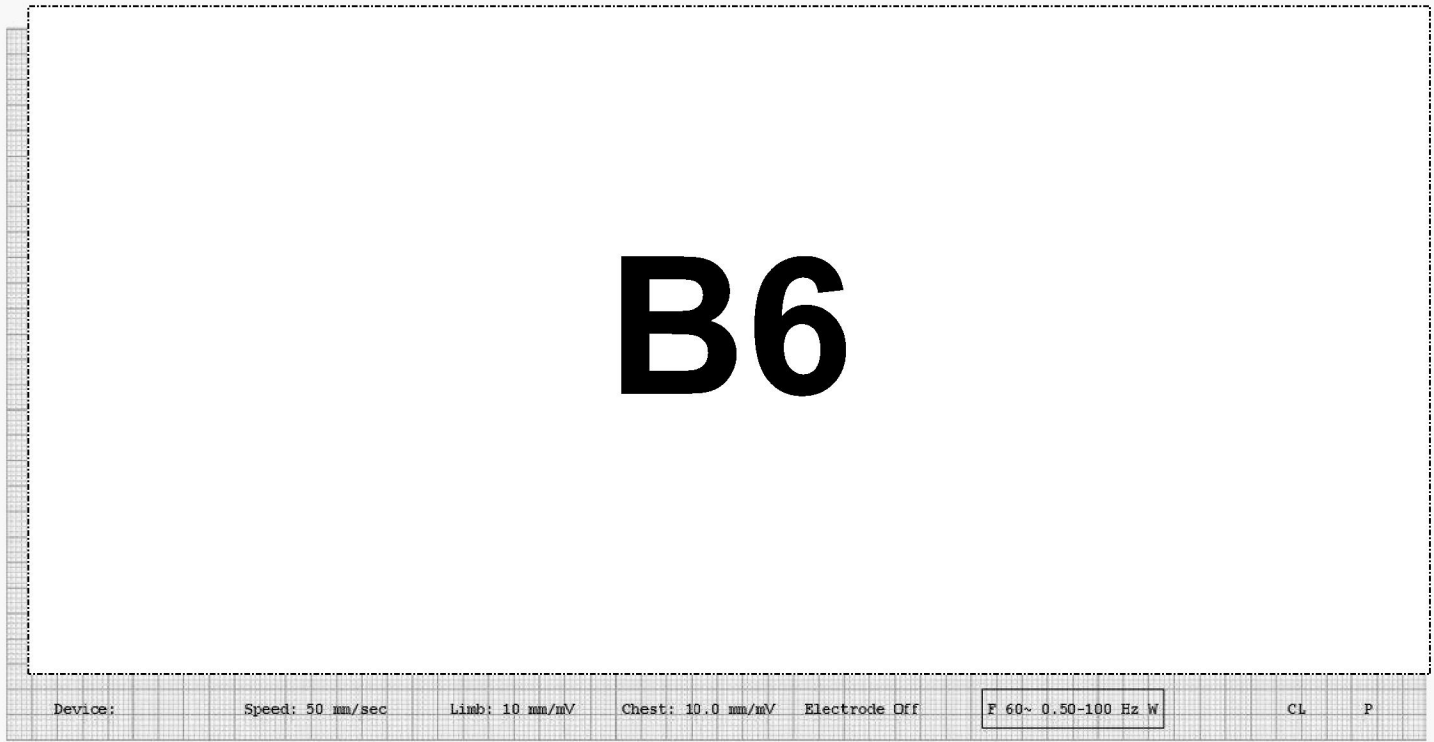
**B6**

12/5/2018 11:23:32 AM

Page 1 of 2

Tufts University  
Tufts Cummings School of Vet Med  
Cardiology

**B6**





Client: **B6**  
Patient:

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**ECG from Cardio**

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**B6**

12/5/2018 11:23:32 AM

Page 2 of 2

Tufts University  
Tufts Cummings School of Vet Med  
Cardiology

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**B6**

Client: **B6**  
Patient:

Alba Holter

### CANINE HOLTER MONITORING REPORT

#### HOLTER MONITOR REPORT

<b>Patient Name:</b>	<b>B6</b>	<b>Interp. Physician:</b>	
<b>Date of Birth:</b>		<b>Scan Number:</b>	Tufts - Clinic
<b>ID :</b>	320320	<b>Date Recorded:</b>	12/5/2018 @ 11:33
<b>Age:</b>	-	<b>Date Processed:</b>	12/6/2018
<b>Sex:</b>	M	<b>Recorder Num:</b>	014783
<b>Analyst:</b>		<b>HookupTech:</b>	
<b>Physician:</b>		<b>Medications:</b>	
<b>Indications:</b>			

The patient was monitored for a total of 23:59 hours. The total time analyzed was 22:40 hours. Start time was 11:33am1. There was a total of 110400 beats. 3% were Ventricular beats, 7% were Supraventricular beats, and patient is not paced.

Mean Heart Rate: 81                      Total Beats: 110400  
Maximum Heart Rate: 189 @ 1:08pm1    Tachycardia beats: 82 (>=160 BPM)    0%  
Minimum Heart Rate: 54 @ 1:12am2    Bradycardia beats: 135 (<= 60 BPM)    0%  
Pauses: 0 (> 5 sec.)                      Longest RR at 2.356 seconds at 8:39am2

#### Ventricular Ectopy

Total:  
Singles:  
Pairs:  
Total Runs:  
Beats in Runs:  
Longest Run:  
Fastest Run:  
RonT:

**B6**

#### RR Variability

SDNN:  
pNN50:  
RMSSD:  
SDSD:

#### Supraventricular Ectopy

Total:  
Single:  
Pairs:  
Total Runs:  
Beats in Runs:  
Longest Run:  
Fastest Run:  
Aberrant:

**B6**

#### COMMENTS:

The underlying rhythm is normal sinus rhythm.  
Frequent VE's were noted with 51 pairs and 2 runs.  
Frequent SVE's were noted with 348 pairs and 155 runs.  
No events were recorded while wearing monitor.

Physician's Signature: \_\_\_\_\_

\_\_\_\_\_ Date

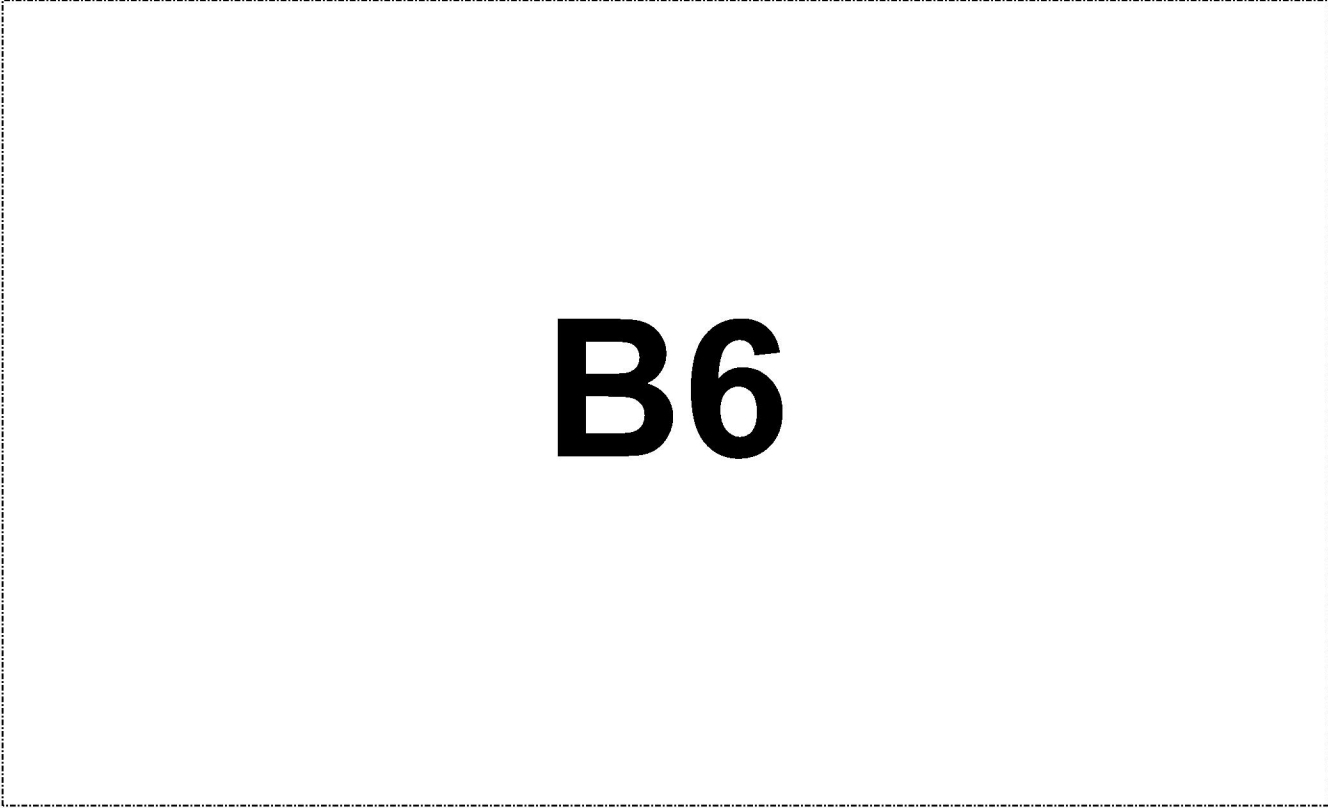
Copyright Medtronic Monitoring Inc. 10/02/09. All data is subject to the medical records for a patient's medical information.

Client: **B6**  
Patient:

**Alba Holter**

Patient **B6** ID : 320320 Date Recorded: 12/5/2018 @ 11:33 Page: 2

**GENERAL PROFILE**





**From:** PFR Event <pfpreventcreation@fda.hhs.gov>

**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6

**Sent:** 3/21/2019 4:08:56 PM

**Subject:** Horizons pulsar grain free diet; B6 EON-382952

**Attachments:** 2064363-report.pdf; 2064363-attachments.zip

A PFR Report has been received and PFR Event [EON-382952] has been created in the EON System.

A "PDF" report by name "2064363-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2064363-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-382952  
**ICSR #:** 2064363  
**EON Title:** PFR Event created for Horizons pulsar grain free diet; 2064363

<b>AE Date</b>	03/08/2019	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Worse/Declining/Deteriorating
<b>Breed</b>	Mixed (Dog)		
<b>Age</b>	4 Years		
<b>District Involved</b>	PFR-Baltimore DO		

**Product information**

**Individual Case Safety Report Number:** 2064363

**Product Group:** Pet Food

**Product Name:** Horizons pulsar grain free diet

**Description:** B6 is presented as a consultation through CVCA Cardiology on 3/18/19 for evaluation of a coughing and marked cardiomegaly with concern for DCM. Arthur initially presented to the pDVM on 3/11 for a few day hx of coughing and was started on cough tabs. His symptoms progressed w/coughing noted mostly at night, decreased energy level and appetite, and he presented to the Emergency Vet Service in B6. CXR showed severe heart enlargement and possible early CHF. He was given a dose of Lasix (with significant improvement in C and appetite per O) and started on Enalapril 15 mg BID with recommendation for referral. He

has been on a grain free diet for the last ~4 years (since he was a puppy) and so DCM was discussed and a diet change recommended. The O's switched **B6** to Purina **B6** and he has had no adverse effects. They also submitted a taurine level (unsure if whole blood vs. plasma) to UC Davis. UTD on HW and F/T preventatives; has also been on salmon oils. PE: HR 180 bpm; grade III/VI holosystolic plateau quality heart murmur - PMI equal over MV and TV; regular tachycardia with s/s femoral pulses; mildly increased RE, RR 40-50 bpm, harsh lung sounds in all fields but no discreet crackles or wheezes. Echo diagnosis: Advanced dilated cardiomyopathy - suspect secondary to nutritional deficiency Moderate to severe mitral valve regurgitation Severely dilated left atrial dimensions Severely dilated left ventricular dimensions with severely decreased heart muscle function Moderate to severe right heart enlargement Left-sided congestive heart failure

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Worse/Declining/Deteriorating

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Horizons pulsar grain free diet		

**Sender information**

**B6**

USA

**Owner information**

**B6**

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-382952**

ICSR:	2064363
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-21 12:00:57 EDT

<b>Reported Problem:</b>	<b>Problem Description:</b>	<b>B6</b> is presented as a consultation through CVCA Cardiology on 3/18/19 for evaluation of a coughing and marked cardiomegaly with concern for DCM. Arthur initially presented to the pDVM on 3/11 for a few day hx of coughing and was started on cough tabs. His symptoms progressed w/coughing noted mostly at night, decreased energy level and appetite, and he presented to the Emergency Vet Service in <b>B6</b> . CXR showed severe heart enlargement and possible early CHF. He was given a dose of Lasix (with significant improvement in C and appetite per O) and started on Enalapril 15 mg BID with recommendation for referral. He has been on a grain free diet for the last ~4 years (since he was a puppy) and so DCM was discussed and a diet change recommended. The O's switched <b>B6</b> to Purina <b>B6</b> and he has had no adverse effects. They also submitted a taurine level (unsure if whole blood vs. plasma) to UC Davis. UTD on HW and F/T preventatives; has also been on salmon oils. PE: HR 180 bpm; grade III/VI holosystolic plateau quality heart murmur - PMI equal over MV and TV; regular tachycardia with s/s femoral pulses; mildly increased RE, RR 40-50 bpm, harsh lung sounds in all fields but no discreet crackles or wheezes. Echo diagnosis: Advanced dilated cardiomyopathy - suspect secondary to nutritional deficiency Moderate to severe mitral valve regurgitation Severely dilated left atrial dimensions Severely dilated left ventricular dimensions with severely decreased heart muscle function Moderate to severe right heart enlargement Left-sided congestive heart failure
	<b>Date Problem Started:</b>	03/08/2019
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Worse/Declining/Deteriorating

<b>Product Information:</b>	<b>Product Name:</b>	Horizons pulsar grain free diet		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>			
	<b>Package Type:</b>	BAG		
	<b>Possess Unopened Product:</b>	No		
	<b>Possess Opened Product:</b>	No		
	<b>Storage Conditions:</b>	unknown		
	<b>Product Use Information:</b>	<b>Description:</b>	Fed daily for pet's entire life	
		<b>First Exposure Date:</b>	03/01/2015	
		<b>Last Exposure Date:</b>	<b>B6</b>	
<b>Time Interval between Product Use and Adverse Event:</b>		4 Years		
<b>Product Use Stopped After the Onset of the Adverse Event:</b>		Yes		
<b>Adverse Event Abate After Product Stop:</b>		Unknown		
<b>Product Use Started Again:</b>	No			



		Perceived Relatedness to Adverse Event:	Probably related
		Other Foods or Products Given to the Animal During This Time Period:	Unknown
	Manufacturer /Distributor Information:		
	Purchase Location Information:		
Animal Information:	Name:	B6	
	Type Of Species:	Dog	
	Type Of Breed:	Mixed (Dog)	
	Gender:	Male	
	Reproductive Status:	Neutered	
	Weight:	27.7 Kilogram	
	Age:	4 Years	
	Assessment of Prior Health:	Good	
	Number of Animals Given the Product:	1	
	Number of Animals Reacted:	1	
	Owner Information:	Owner Information provided:	Yes
		Contact: Name:	B6
		Phone:	
		Other Phone:	
		Email:	
		Address:	B6
			United States
	Healthcare Professional Information:	Practice Name:	B6
		Contact: Name:	B6
		Phone:	
		Other Phone:	
		Address:	B6
			United States
		Type of Veterinarian:	Primary/regular veterinarian
		Date First Seen:	03/11/2019
Sender Information:	Name:		
	Address:	B6	
			United States

	<b>Contact:</b>	<b>Phone:</b>	<b>B6</b>
		<b>Other Phone:</b>	
		<b>Email:</b>	
	<b>Reporter Wants to Remain Anonymous:</b>	No	
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Reported to Other Parties:</b>	None		

<b>Additional Documents:</b>	<b>Attachment:</b>	IMG-0001-00001.jpg
	<b>Description:</b>	radiograph
	<b>Type:</b>	Radiographs
	<b>Attachment:</b>	BW (Chem,CBC) Emergency Vet Service.pdf
	<b>Description:</b>	bloodwork
	<b>Type:</b>	Medical Records
	<b>Attachment:</b>	IMG-0002-00001.jpg
	<b>Description:</b>	radiographs
	<b>Type:</b>	Radiographs
	<b>Attachment:</b>	Echo data.pdf
	<b>Description:</b>	Echo data
	<b>Type:</b>	Echocardiogram
	<b>Attachment:</b>	clinical summary arthur.pdf
	<b>Description:</b>	Clinical summary cardiology exam and echo summary
	<b>Type:</b>	Medical Records

From:

B6

B:43

#499 P.003/005

Client: B6 (74646)  
Patient Name: B6  
Species: Canine  
Breed:

Gender: Male/Castrated  
Weight:  
Age: 4 Years  
Doctor: B6

B6

Test Results Reference Interval LOW NORMAL HIGH

ProCyte Dx (March 17, 2019 10:48 AM)

Test	Results	Reference Interval	LOW	NORMAL	HIGH
RBC	B6	5.85 - 8.87			
HCT	B6	37.3 - 61.7			
HGB	B6	13.1 - 20.5			
MCV	B6	61.6 - 73.5			
MCH	B6	21.2 - 25.9			
MCHC	B6	32.0 - 37.9			
RDW	B6	13.6 - 21.7			
%RETIC	B6				
RETIC	B6	10.0 - 110.0			
RETIC-HGB	B6	22.3 - 29.6			
WBC	B6	5.05 - 16.76			
%NEU	B6				
%LYM	B6				
%MONO	B6				
%EOS	B6				
%BASO	B6				
NEU	B6	2.95 - 11.64			
LYM	B6	1.05 - 5.10			
MONO	B6	0.16 - 1.12			
EOS	B6	0.06 - 1.23			
BASO	B6	0.00 - 0.10			
PLT	B6	148 - 484			
MPV	B6	8.7 - 13.2			
PDW	B6	9.1 - 18.4			
PCT	B6	0.14 - 0.46			

B6

Catalyst Dx (March 17, 2019 11:20 AM)

Test	Results	Reference Interval	LOW	NORMAL	HIGH
GLU	B6	74 - 143			
CREA	B6	0.5 - 1.8			
BUN	B6	7 - 27			
BUN/CREA	B6				
PHOS	B6	2.5 - 6.8			
CA	B6	7.9 - 12.0			
TP	B6	5.2 - 8.2	LOW		
ALB	B6	2.3 - 4.0			
GLOB	B6	2.5 - 4.5	LOW		
ALB/GLOB	B6				
ALT	B6	10 - 125		HIGH	
ALKP	B6	23 - 212		LOW	
GGT	B6	0 - 11			
TBIL	B6	0.0 - 0.9			
CHOL	B6	110 - 320		LOW	
AMYL	B6	500 - 1500			
LIPA	B6	200 - 1500			
Na	B6	144 - 180			
K	B6	3.5 - 5.8	LOW		
Na/K	B6				
Cl	B6	109 - 122			
Osm Calc	B6				

Printed: B6 11:20 AM

Page 1 of 1



**B6**

Email: **B6**@cvcavets.com

Animal No: 235853  
 Animal Wt: 27 kgs  
 Clinical No: 910259  
 Record Date: 03-18-2019  
 Date Range: -  
 Printed On: 03-21-2019  
 Consulting Doctor: **B6**

**Client Details**

Name **B6**  
 Address **B6**  
 Phone **B6**

**Patient Details**

Name **B6**  
 Species Canine  
 Breed Mixed breed  
 Age **B6**  
 Sex Male Neutered  
 Referral **B6**

**Client Summary**

# Cardiac Evaluation Report

**Exam Date: 03-18-2019**

**Diagnosis**

- Advanced dilated cardiomyopathy - suspect secondary to nutritional deficiency
  - Moderate to severe mitral valve regurgitation
  - Severely dilated left atrial dimensions
  - Severely dilated left ventricular dimensions with severely decreased heart muscle function
  - Moderate to severe right heart enlargement
- Left-sided congestive heart failure
- Eating a grain-free diet

*Concurrent Conditions:*

- Mildly underweight - rule out secondary to cardiac cachexia vs. other

**Medications**

**B6**

**B6**  
 03-21-2019  
 Pg: 1 / 5

# B6

*Please note*

- Continue heartworm and flea/tick preventives as prescribed by **B6**
- **Please call on the next business day if you notice a decrease in appetite, vomiting, lethargy, weakness or any other signs of illness while beginning/adjusting the medications.**
- **Please allow 24-48 hours for CVCA to process prescription refill requests.**
- **Refill all medications indefinitely unless directed by CVCA or your primary care veterinarian.**
- **Please check all medications and dosages on your discharge report against the pharmacy labels.**

### **Additional Recommendations**

- Please see our website [www.cvcavets.com](http://www.cvcavets.com) for more information about **B6** dilated cardiomyopathy and heart failure.

### Nutrition:

- The exact causal relationship between grain-free and/or high legume diets in atypical dog breeds with dilated cardiomyopathy is uncertain. At this time, if there is not a clinical reason (i.e. food allergies or gastrointestinal upset) for use of a grain-free, limited ingredient, or unique protein source (kangaroo, alligator, bison, etc.) diet, we would recommend consideration of using alternative diet(s). We recommend brands that have been both AAFCO (American Assoc. of Feed Control Officials) approved and have undergone feeding trial testing. These include brands such as Hill's, Royal Canin, and Purina. Consultation with a board-certified veterinary nutritionist can also be considered.
- For more information about nutrition and cardiac disease in pets go to: <http://vetmed.tufts.edu/heartsmart/diet/> or <https://www.cvcavets.com/for-pet-owners/nutrition-grain-free/>

### Activity:

- Keep **B6** very quiet for the next 3-4 days with only brief leash walks to eliminate.
- Once his respiratory rate and effort have returned to normal, **B6** may gradually resume activity as he wants and is able to do. Please allow **B6** to take more breaks and rest during activity.
- For dogs at risk for sudden death, there is an increased risk for sudden death during activity, but dogs have been noted to die suddenly at rest and with normal daily activity. We recommend allowing a level of activity that maintains the best quality of life for **B6**.

### At Home Monitoring:

- **B6** is at high risk for symptoms from congestion (fluid in the lungs and/or abdomen) or the development/worsening of an arrhythmia (irregular heartbeat). Please monitor for signs of **difficulty breathing, lethargy, weakness, anxiety, collapse, abdominal distension, or dark or blue discoloration of the tongue**

**B6**

03-21-2019

Pg: 2 / 5

or gums.

- Please monitor [B6] breathing rate when he is sleeping to help detect early fluid developing in the lungs. **The normal breathing rate for a sleeping dog is fewer than 35 breaths per minute.** One rise and one fall of the chest is one breath. If you notice that the breathing rate is consistently higher than 35 breaths per minute, you can give additional Lasix as outlined above.
- Congestive heart failure is a life threatening condition. If symptoms do not improve within 1-2 hours with the additional Lasix, the breathing is labored, or collapse is noted, please seek emergency veterinary evaluation.

#### Anesthesia/Fluid/Steroid Risk:

- [B6] is at high risk for cardiac-related complications. Elective anesthesia should be avoided.
- If anesthesia is emergent, consider the following recommendations: no benazepril for 24 hours prior to anesthesia, thoracic radiographs prior to induction, judicious use of IV fluids (1-3 ml/kg/hr, or as clinically indicated), caution with drugs with profound effects on heart rate and blood pressure (i.e. dexmedetomidine, ketamine, telazol, acepromazine, or atropine [unless indicated by bradycardia]), and careful monitoring of heart rate and rhythm, blood pressure, and oxygen status during the procedure. If a pressor is indicated, consider a CRI of dobutamine starting at 5 ug/kg/min and titrated to maintain a systolic blood pressure >90-100 mmHg. Monitor closely for several hours upon recovery and consider repeat thoracic radiographs if there are any concerns. There is risk with any anesthetic event. If arrhythmic, ECG monitoring should continue until [B6] is fully recovered and awake. For additional recommendations, strongly consider consultation with an anesthesiologist.
- Caution with intravenous or subcutaneous fluid therapy and steroid use. [B6] is at a high risk for secondary fluid overload. If fluids are needed, they should be given conservatively and the breathing carefully monitored as outlined above. Nasoesophageal fluids may be better tolerated than parenteral fluids. Steroids should only be given if necessary and at the lowest effective dosage while monitoring the breathing carefully. Long-acting steroids, such as Depo-Medrol, should be avoided.

#### Reevaluation

- Please recheck with [B6] in 2 weeks, then every 4 -6 months thereafter for a follow up physical exam and blood chemistry profile with electrolytes. Please forward these results when available.
- Please call CVCA to schedule a 24-hour Holter monitor in the next 1 - 2 months so that we can evaluate [B6] heart rhythm under normal circumstances and over a longer time period. The results will help determine the need for antiarrhythmic therapy.
- Please recheck with CVCA in 3 months for a follow up consultation, physical exam, blood pressure, and echocardiogram. Please contact us or schedule an earlier appointment if [B6] has any problems or symptoms indicative of worsening heart disease or if recommended by [B6]

We thank you for trusting in CVCA to care for [B6] today. Please feel free to call us with any questions or concerns.

Sincerely,

[B6] DACVIM (Cardiology)  
Team Leader: [B6]  
Fairfax Support Staff: [B6]

#### Primary Care Summaries

##### Visit Summary

**History:** [B6] is presented as a consultation through the [B6] service for evaluation of a coughing and marked cardiomegaly with concern for DCM. [B6] initially presented to the pDVM on 3/11 for a few ay hx of coughing and was started on cough tabs. His symptoms progressed w/coughing noted mostly at night, decreased energy level and appetite, and he presented to the [B6] yesterday. CXR showed severe heart enlargement and possible early CHF. He was given a dose of Lasix (with significant improvement in C and appetite per O) and started on Enalapril 15 mg BID with recommendation for referral. He has been on a grain free diet for the last ~4 years (since he was a puppy) and so DCM was discussed and a diet change recommended. The O's switched [B6] to Purina yesterday and he has had no adverse effects. They also submitted a taurine level (unsure if whole blood vs. plasma) to UC Davis. UTD on HW and F/T preventatives; has also been on salmon oils.

[B6]  
03-21-2019  
Pg: 3 / 5

# B6

- *Taurine level:* pending

## CVCA Diagnostics and/or procedures:

- *Doppler BP:* 100 mmHg, 4cm cuff/left front leg
- *Treatments:* Administered furosemide 60 mg IV into the left lateral saphenous vein at time of echo; prior to discharge also administered furosemide 60 mg orally and pimobendan 7.5 mg orally

## Echocardiographic Findings

Severe left atrial dilation; normal mitral valve; moderate centrally directed mitral valve regurgitation; severely dilated left ventricular end diastolic dimensions; severely dilated left ventricular end systolic dimensions; severely depressed indices of left ventricular systolic function (EF SMOD by 12.3%) ; normal aortic valve and ascending aorta; mildly depressed left ventricular outflow velocity; severely dilated right atrium; normal tricuspid valve; moderate tricuspid valve regurgitation with estimated at least moderate pulmonary hypertension; moderately to severely dilated right ventricle with moderately decreased systolic function; normal pulmonic valve and pulmonary artery; moderately depressed right ventricular outflow velocity; summated E/A on transmitral inflow spectral Doppler tracings with increased Emax; summated E'A' on tissue Doppler imaging at the medial mitral annulus; increased E:E'; moderately decreased estimated systemic systolic blood pressure based on mitral regurgitant pressure gradient (suspect significant underestimation due to poor ventricular systolic function); no masses, effusions or heartworms observed.

- *Lead II ECG during echo:* sinus tachycardia throughout with left ventricular enlargement pattern
- *FAST:* no abdominal effusion seen; moderate hepatic venous distension

## Comments

Dear Doctors at VCA Healthy Paws Medical Center,

We had the opportunity to see [B6] as a consultation through the [B6] service today. Sadly, [B6] has severe dilated cardiomyopathy causing congestive heart failure. We have begun prescription medications and nutritional supplements to control the congestive heart failure, slow down the progression of the heart disease and improve survival. We will continue to closely monitor [B6]'s heart disease via serial echocardiography and institute further therapy if progression is noted. [B6]'s DCM is suspected to be secondary to a nutritional cause, specifically since he has been on a grain free diet for several years. Current research is ongoing to find out the underlying link between grain-free diets and DCM in dogs, though it is possible that a taurine +/- L-carnitine deficiency may contribute in some cases (though perhaps not all). With a change in diet, amino acid supplementation, and cardiac medications, some dogs will recover, partially or completely. Sadly, some dogs do not respond to therapy or do not survive long enough for recovery to occur. [B6]'s prognosis is currently unknown. We will know more about response to therapy and recovery after his first recheck echocardiogram in a few months. He is such a sweet boy and we truly hope that he responds well to therapy.

We appreciate your continued referrals and the trust you place in CVCA to co-manage your cardiac patients. We look forward to working with you on this case and others. In an effort to continue to improve CVCA's service to both you and your clients, please visit our website at [www.cvcavets.com](http://www.cvcavets.com) and complete our online referring veterinarian survey.

Sincerely,

[B6] VMD, DACVIM (Cardiology)

[B6]

03-21-2019

Pg: 4 / 5

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**B6**

03-21-2019

Pg: 5 / 5



## Patient Demographics

<b>B6</b>		Study Date: 03/18/2019				
Patient ID: 235853_031819		Accession #:		Alt ID:		
DOB:	Age:	Gender:	Ht:	Wt: 61lb 2oz	BSA:	
Institution: CVCA <b>B6</b>						
Referring Physician:						
Physician of Record:		Performed By:		<b>B6</b>		
Comments:						

## Adult Echo: Measurements and Calculations

### 2D

LVIDd (2D)	<b>B6</b>	SV (2D-Cubed)	<b>B6</b>	IVS % (2D)	<b>B6</b>
LVPWd (2D)		FS (2D-Cubed)		LVPW % (2D)	
IVSs (2D)		EF (2D-Cubed)		IVS/LVPW (2D)	
LVIDs (2D)		A4Cd		SV (A4C)	
		LV Vol			
		LV Length			
		LV Area			
LVPWs (2D)		A4Cs		EF (A4C)	
		LV Vol			
		LV Length			
		LV Area			
EDV (2D-Teich)		LVLd (A4C)		IVSd (2D)	
ESV (2D-Teich)		LVLs (A4C)		RVIDd/LVIDd	
SV (2D-Teich)		LVAd (A4C)		RVIDd (2D)	
FS (2D-Teich)		LVAAs (A4C)		LA Area	
EF (2D-Teich)	EDV (A4C)	LA Dimen (2D)			
EDV (2D-Cubed)	ESV (A4C)	LA/Ao (2D)			
ESV (2D-Cubed)	LV Mass (Cubed)	AoR Diam (2D)			

### MMode

IVSd (MM)	<b>B6</b>	SV (MM-Teich)	<b>B6</b>	LVPW % (MM)	<b>B6</b>
LVIDd (MM)		FS (MM-Teich)		RVIDd (MM)	
LVPWd (MM)		EF (MM-Teich)		LA Dimen (MM)	
IVSs (MM)		EDV (MM-Cubed)		AoR Diam (MM)	

**B6**

235853\_031819

03/18/2019

Created: 12:36PM 03/18/2019

1/4

LVIDs (MM)	<b>B6</b>	ESV (MM-Cubed)	<b>B6</b>	LA/Ao (MM)	<b>B6</b>
LVPWs (MM)		SV (MM-Cubed)		MV D-E Slope	
IVS/LVPW (MM)		EF (MM-Cubed)		MV E-F Slope	
EDV (MM-Teich)		FS (MM-Cubed)		MV EPSS	
ESV (MM-Teich)		IVS % (MM)			

**Doppler**

AV Vmax Max PG Vmax	<b>B6</b>	TR Vmax Max PG Vmax	<b>B6</b>
MR Vmax Max PG Vmax		PV Vmax Max PG Vmax	

**Other Measurements**

Dimensions: 2D LAX

LA lax (2D)

AO lax (2D)

Mitral Valve: Velocities & Time

MV Peak E Sum

Vel

PG

TDI: E/E`

Med E` Sum

Dimensions: All Points

E Sum/E`Med Sum

Dimensions: Diameters

LVID/Ao (2D)

LA lax/Ao lax

EDVI

ESVI

EF & Volume: Simpson's

Sphericity Id

Dimensions: Diameters

LVEDDN

LVID/Ao (2D)

**B6**

**B6**

**Signature**

Signature:

Name(Print):

Date:

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**B6**

235853\_031819

03/18/2019

Created: 12:36PM 03/18/2019

4/4

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 3/20/2019 12:48:26 PM  
**Subject:** Nutrisource Large breed puppy Grain free: [B6] EON-382807  
**Attachments:** 2064306-report.pdf; 2064306-attachments.zip

A PFR Report has been received and PFR Event [EON-382807] has been created in the EON System.

A "PDF" report by name "2064306-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2064306-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-382807

**ICSR #:** 2064306

**EON Title:** PFR Event created for Nutrisource Large breed puppy Grain free, Nutro Large breed puppy Farm raised chicken, Taste of the Wild Pacific Stream Puppy; 2064306

<b>AE Date</b>	03/19/2019	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Not Applicable
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	7 Months		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2064306

**Product Group:** Pet Food

**Product Name:** Nutrisource Large breed puppy Grain free, Nutro Large breed puppy Farm raised chicken, Taste of the Wild Pacific Stream Puppy

**Description:** On March 18, 2019 my dog had an ECG in pre-op for his neutering surgery. This was done because he has a heart murmur. There was an abnormality found and we were sent to a cardiologist. On March 19, 2019 my dog was diagnosed with early stages of nutritionally mediated DCM at a board certified veterinary cardiologist. The breeder had my dog on Nutrisource food after weening until we got him at 9 weeks. We then

put him on Nutro large breed puppy chicken formula. He was on this food until January where we switched him to Taste of the Wild Pacific Stream Puppy.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Not Applicable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Nutro Large breed puppy Farm raised chicken		
Taste of the Wild Pacific Stream Puppy		
Nutrisource Large breed puppy Grain free		

**Sender information**

**B6**

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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Report Details - EON-382807		
ICSR:	2064306	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2019-03-20 08:40:53 EDT	
Reporter is the Animal Owner:	Yes	
Reported Problem:	<b>Problem Description:</b> On March 18, 2019 my dog had an ECG in pre-op for his neutering surgery. This was done because he has a heart murmur. There was an abnormality found and we were sent to a cardiologist. On March 19, 2019 my dog was diagnosed with early stages of nutritionally mediated DCM at a board certified veterinary cardiologist. The breeder had my dog on Nutrisource food after weening until we got him at 9 weeks. We then put him on Nutro large breed puppy chicken formula. He was on this food until January where we switched him to Taste of the Wild Pacific Stream Puppy.	
	<b>Date Problem Started:</b> 03/19/2019	
	<b>Concurrent Medical Problem:</b> Yes	
	<b>Pre Existing Conditions:</b> My dog was diagnosed with a grade 2 heart murmur at about 10-12 weeks of age. He also has had some digestive issues possibly due to a chicken intolerance /sensitivity.	
	<b>Outcome to Date:</b> Not Applicable	
Product Information:	<b>Product Name:</b> Taste of the Wild Pacific Stream Puppy	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Package Type:</b> BAG	
	<b>Purchase Date:</b> 01/01/2019	
	<b>Possess Unopened Product:</b> No	
	<b>Possess Opened Product:</b> No	
	<b>Storage Conditions:</b> The product was stored in a food container that is not 100% air tight.	
	<b>Product Use Information:</b>	<b>Description:</b> We switched to this food after my dog started having diarrhea on Nutro. We followed feeding instructions.
		<b>First Exposure Date:</b> 01/01/2019
		<b>Last Exposure Date:</b> 03/10/2019
		<b>Product Use Stopped After the Onset of the Adverse Event:</b> Yes
		<b>Perceived Relatedness to Adverse Event:</b> Probably related
		<b>Other Foods or Products Given to the Animal During This Time Period:</b> No
<b>Manufacturer /Distributor Information:</b>		
<b>Purchase Location Information:</b>		
<b>Name:</b> Chewy.com		
<b>Product Name:</b> Nutro Large breed puppy Farm raised chicken		



	<b>Product Type:</b>	Pet Food												
	<b>Lot Number:</b>													
	<b>Package Type:</b>	BAG												
	<b>Purchase Date:</b>	10/28/2018												
	<b>Possess Unopened Product:</b>	No												
	<b>Possess Opened Product:</b>	No												
	<b>Storage Conditions:</b>	The food was stored in the original bag												
	<b>Product Use Information:</b>	<table border="1"> <tr> <td><b>Description:</b></td> <td>My puppy was fed this food from 9 weeks old until about 4.5 months old. He was fed based on feeding instructions on the bag. We stopped feeding this food after he started to have diarrhea and vomiting.</td> </tr> <tr> <td><b>First Exposure Date:</b></td> <td>10/29/2018</td> </tr> <tr> <td><b>Last Exposure Date:</b></td> <td>01/01/2019</td> </tr> <tr> <td><b>Product Use Stopped After the Onset of the Adverse Event:</b></td> <td>Yes</td> </tr> <tr> <td><b>Perceived Relatedness to Adverse Event:</b></td> <td>Possibly related</td> </tr> <tr> <td><b>Other Foods or Products Given to the Animal During This Time Period:</b></td> <td>No</td> </tr> </table>	<b>Description:</b>	My puppy was fed this food from 9 weeks old until about 4.5 months old. He was fed based on feeding instructions on the bag. We stopped feeding this food after he started to have diarrhea and vomiting.	<b>First Exposure Date:</b>	10/29/2018	<b>Last Exposure Date:</b>	01/01/2019	<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes	<b>Perceived Relatedness to Adverse Event:</b>	Possibly related	<b>Other Foods or Products Given to the Animal During This Time Period:</b>	No
<b>Description:</b>	My puppy was fed this food from 9 weeks old until about 4.5 months old. He was fed based on feeding instructions on the bag. We stopped feeding this food after he started to have diarrhea and vomiting.													
<b>First Exposure Date:</b>	10/29/2018													
<b>Last Exposure Date:</b>	01/01/2019													
<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes													
<b>Perceived Relatedness to Adverse Event:</b>	Possibly related													
<b>Other Foods or Products Given to the Animal During This Time Period:</b>	No													
	<b>Manufacturer /Distributor Information:</b>													
	<b>Purchase Location Information:</b>													
	<b>Product Name:</b>	Nutrisource Large breed puppy Grain free												
	<b>Product Type:</b>	Pet Food												
	<b>Lot Number:</b>													
	<b>Package Type:</b>	BAG												
	<b>Possess Unopened Product:</b>	No												
	<b>Possess Opened Product:</b>	No												
	<b>Product Use Information:</b>	<table border="1"> <tr> <td><b>Description:</b></td> <td>This food was given to my dog after weening by the dog breeder.</td> </tr> <tr> <td><b>Last Exposure Date:</b></td> <td>10/29/2018</td> </tr> <tr> <td><b>Other Foods or Products Given to the Animal During This Time Period:</b></td> <td>No</td> </tr> </table>	<b>Description:</b>	This food was given to my dog after weening by the dog breeder.	<b>Last Exposure Date:</b>	10/29/2018	<b>Other Foods or Products Given to the Animal During This Time Period:</b>	No						
<b>Description:</b>	This food was given to my dog after weening by the dog breeder.													
<b>Last Exposure Date:</b>	10/29/2018													
<b>Other Foods or Products Given to the Animal During This Time Period:</b>	No													
	<b>Manufacturer /Distributor Information:</b>													
	<b>Purchase Location Information:</b>													
<b>Animal Information:</b>	<b>Name:</b>	B6												
	<b>Type Of Species:</b>	Dog												
	<b>Type Of Breed:</b>	Retriever - Golden												

	<b>Gender:</b> Male
	<b>Reproductive Status:</b> Intact
	<b>Weight:</b> 24 Kilogram
	<b>Age:</b> 7 Months
	<b>Assessment of Prior Health:</b> Good
	<b>Number of Animals Given the Product:</b> 1
	<b>Number of Animals Reacted:</b> 1
	<b>Owner Information:</b>
<b>Healthcare Professional Information:</b>	<b>Practice Name:</b> B6
	<b>Contact:</b> Name: B6
	Phone: B6
	<b>Address:</b> B6
	United States
	<b>Type of Veterinarian:</b> Primary/regular veterinarian
	<b>Date First Seen:</b> 03/18/2019
	<b>Permission to Release Records to FDA:</b> Yes
	<b>Practice Name:</b> B6
	<b>Contact:</b> Name: B6
	Phone: B6
	<b>Address:</b> B6
United States	
<b>Type of Veterinarian:</b> Referred veterinarian	
<b>Date First Seen:</b> 03/19/2019	
<b>Permission to Release Records to FDA:</b> Yes	
<b>Sender Information:</b>	<b>Name:</b>
	<b>Address:</b> B6
	United States
	<b>Contact:</b> Phone: B6
	Email: B6
<b>Reporter Wants to Remain Anonymous:</b> No	
<b>Permission To Contact Sender:</b> Yes	
<b>Preferred Method Of Contact:</b> Email	
<b>Reported to Other Parties:</b> None	

**Additional Documents:**

<b>Attachment:</b>	<b>B6</b> 58606-1.pdf
<b>Description:</b>	This is the report from my dog's cardiology consultation and echocardiogram.
<b>Type:</b>	Echocardiogram

**B6**

Date: 3/19/2019

Referring Vet: **B6**

Patient Name: **B6**

Signalment: Canine, Goldendoodle, Male, **B6**

Owner Name: **B6**

Phone: **B6**

**B6** **M.S., V.M.D.**  
Cardiology, Ultrasound Referral Service  
Consultation-Education

**History:** Heart murmur; stable heart rate and rhythm and no pulmonary crackles; a cardiac consultation was advised prior to anesthesia and neuter.

**Current Therapy:** None at this time

**Weight:** 24kg.

**Physical Examination:** H/L: Grade II holosystolic murmur left 4th intercostal space; no pulmonary crackles.

**B6**

**Echocardiogram:**

**B6**



**Diagnosis:** There is no evidence of significant congenital heart disease. The concern is the left ventricular contractility is toward or just below the lower limits of normal: (grain free diet related versus early idiopathic dilated cardiomyopathy). There is no evidence of congestive heart failure at this time.

**Therapeutic Guidelines:** We discussed **B6**

**B6**

**Recommendations:** **B6**

**B6**

**Cardiology Recheck:** At one year of age; at that time we will reconsider any need for cardiac medication.

**B6**



**B6**



**B6**



**B6**



**B6**

**B6**

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [REDACTED] B6  
**Sent:** 3/20/2019 4:36:36 PM  
**Subject:** Nutro MAX Adult Recipe With Farm Raised Chicken Mini Chunk Dry Dog Food: [REDACTED] B6 EON-382838  
**Attachments:** 2064311-report.pdf; 2064311-attachments.zip

A PFR Report has been received and PFR Event [EON-382838] has been created in the EON System.

A "PDF" report by name "2064311-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2064311-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-382838

**ICSR #:** 2064311

**EON Title:** PFR Event created for Nutro MAX Adult Recipe With Farm Raised Chicken Mini Chunk Dry Dog Food (1) 25 lbs; Rich in Nutrients and Full of Flavor, NUTRO MAX Senior Recipe With Farm Raised Chicken Dry Dog Food Whole Grain.; 2064311

<b>AE Date</b>	05/21/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Died Naturally
<b>Breed</b>	Portuguese Water Dog		
<b>Age</b>	11 Years		
<b>District Involved</b>	PFR [REDACTED] B6 DO		

**Product information**

**Individual Case Safety Report Number:** 2064311

**Product Group:** Pet Food

**Product Name:** Nutro MAX Adult Recipe With Farm Raised Chicken Mini Chunk Dry Dog Food, (1) 25 lbs; Rich in Nutrients and Full of Flavor, NUTRO MAX Senior Recipe With Farm Raised Chicken Dry Dog Food, Whole Grains for Nutritious Fiber, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor, NUTRO MAX Large Breed Adult Recipe With Farm Raised Chicken Dry Dog Food, (1) 25-lb. bag; Rich in Nutrients and Full of

Flavor for Large Breed Dogs, Nutro MAX Adult Grain Free With Salmon Dry Dog Food, 25 lbs., Zignature TROUT & SALMON MEAL FORMULA, Zignature WHITEFISH FORMULA

**Description:** B6 started coughin in the last week of May, progressively lethargic since that time. Seen by primary vet. Suspected Kennel Cough (misdiagnosis). B6 given with no improvement after one week started on B6 100mg 2x daily. No improvement seen. Syncope episode occurred about 2 weeks after, mouth to mouth resuscitation performed. Recovered after a few moments. No improvement seen with antibiotics, worried owners rushed B6 specialty center of B6 around June 13, knowing cardiologist B6 would be there that day. He had an appointment scheduled a few weeks from that day but we realized we could not wait. Gums were pale on arrival. Was in critical condition. He had to stay overnight in oxygen tank with high dosage of lasix and received echocardiogram. Prognosis was poor. We decided to try medical management vs. euthanization. He was prescribed various medications for his problem. Problems: Atrial and ventricular premature contractions, coughing and collapse, lethargy, stage C mitral and tricuspid valvular insufficiency with severe left side congestive heart failure and severe pulmonary hypertension. He lasted 2 months and passed away in late August. Respiratory rate was high during that time period, sometimes trouble getting comfortable. He had been fed NUTRO max (various kinds) 2017 and 2018. I don't have records of prior to then because i started buying it online through Chewy and Amazon in 2017. But my mom said that he and my older dog had always been on Nutro. Foods provided before diagnosis: Nutro Max Large Breed Adult Recipe with Farm-Raised Chicken Nutro MAX Adult Recipe With Farm Raised Chicken Mini Chunk Dry Dog Food, (1) 25 lbs; Rich in Nutrients and Full of Flavor NUTRO MAX Senior Recipe With Farm Raised Chicken Dry Dog Food, Whole Grains for Nutritious Fiber, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor NUTRO MAX Large Breed Adult Recipe With Farm Raised Chicken Dry Dog Food, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor for Large Breed Dogs Nutro MAX Adult Grain Free With Salmon Dry Dog Food, 25 lbs. After his diagnosis I was concerned about the food and a friend recommended Zignature, so i switched him for the last few months, he was on Zignature at time of death: Zignature - Whitefish (August) Zignature - Wild Trout (July) I am discovering there is a link to heart problems and dry kibble, since echocardiogram was performed, decided to submit case to FDA to help other dogs/owners. Thank you.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Died Naturally

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Zignature TROUT & SALMON MEAL FORMULA		
Nutro MAX Adult Grain Free With Salmon Dry Dog Food, 25 lbs.		
NUTRO MAX Senior Recipe With Farm Raised Chicken Dry Dog Food, Whole Grains for Nutritious Fiber, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor		
Zignature WHITEFISH FORMULA		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-382838**

ICSR:	2064311
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-20 12:25:37 EDT
Reporter is the Animal Owner:	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	<p><b>B6</b> started coughin in the last week of May, progressively lethargic since that time. Seen by primary vet. Suspected Kennel Cough (misdiagnosis); <b>B6</b> given with no improvement after one week started on <b>B6</b> 10mg q2x daily. No improvement seen. Syncope episode occurred about 2 weeks after, mouth to mouth resuscitation performed. Recovered after a few moments. No improvement seen with antibiotics, worried owners rushed <b>B6</b> by specialty center of <b>B6</b> around June 13, knowing cardiologist <b>B6</b> would be there that day. He had an appointment scheduled a few weeks from that day but we realized we could not wait. Gums were pale on arrival. Was in critical condition. He had to stay overnight in oxygen tank with high dosage of lasix and received echocardiogram. Prognosis was poor. We decided to try medical management vs. euthanization. He was prescribed various medications for his problem. Problems: Atrial and ventricular premature contractions, coughing and collapse, lethargy, stage C mitral and tricuspid valvular insufficiency with severe left side congestive heart failure and severe pulmonary hypertension. He lasted 2 months and passed away in late August. Respiratory rate was high during that time period, sometimes trouble getting comfortable. He had been fed NUTRO max (various kinds) 2017 and 2018. I don't have records of prior to then because i started buying it online through Chewy and Amazon in 2017. But my mom said that he and my older dog had always been on Nutro. Foods provided before diagnosis: Nutro Max Large Breed Adult Recipe with Farm-Raised Chicken Nutro MAX Adult Recipe With Farm Raised Chicken Mini Chunk Dry Dog Food, (1) 25 lbs; Rich in Nutrients and Full of Flavor NUTRO MAX Senior Recipe With Farm Raised Chicken Dry Dog Food, Whole Grains for Nutritious Fiber, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor NUTRO MAX Large Breed Adult Recipe With Farm Raised Chicken Dry Dog Food, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor for Large Breed Dogs Nutro MAX Adult Grain Free With Salmon Dry Dog Food, 25 lbs. After his diagnosis I was concerned about the food and a friend recommended Zignature, so i switched him for the last few months, he was on Zignature at time of death: Zignature - Whitefish (August) Zignature - Wild Trout (July) I am discovering there is a link to heart problems and dry kibble, since echocardiogram was performed, decided to submit case to FDA to help other dogs/owners. Thank you.</p>
	<b>Date Problem Started:</b>	05/21/2018
	<b>Concurrent Medical Problem:</b>	Yes
	<b>Pre Existing Conditions:</b>	Seizures (Unknown) (Xanax used for stressful events) Itchiness (Apoquel medication used)
	<b>Outcome to Date:</b>	Died Naturally
	<b>Date of Death:</b>	<b>B6</b>

<b>Product Information:</b>	<b>Product Name:</b>	Zignature WHITEFISH FORMULA
	<b>Product Type:</b>	Pet Food
	<b>Lot Number:</b>	
	<b>Package Type:</b>	BAG
	<b>Package Size:</b>	13 Pound
	<b>Purchase Date:</b>	08/01/2018
	<b>Number Purchased:</b>	1
	<b>Possess Unopened Product:</b>	No
	<b>Possess Opened Product:</b>	No



<b>Storage Conditions:</b> in container	
<b>Product Use Information:</b>	<b>Description:</b> fed 2x daily
	<b>First Exposure Date:</b> 08/01/2018
	<b>Last Exposure Date:</b> B6
	<b>Perceived Relatedness to Adverse Event:</b> Possibly related
	<b>Other Foods or Products Given to the Animal During This Time Period:</b> Unknown
<b>Manufacturer /Distributor Information:</b>	
<b>Purchase Location Information:</b>	<b>Name:</b>
	<b>Address:</b> B6 United States
<b>Product Name:</b>	Zignature TROUT & SALMON MEAL FORMULA
<b>Product Type:</b>	Pet Food
<b>Lot Number:</b>	
<b>Package Type:</b>	BAG
<b>Package Size:</b>	13 U.S. fluid ounce
<b>Purchase Date:</b>	06/01/2018
<b>Possess Unopened Product:</b>	No
<b>Possess Opened Product:</b>	No
<b>Storage Conditions:</b> in container	
<b>Product Use Information:</b>	<b>Description:</b> fed 2x daily
	<b>First Exposure Date:</b> 06/01/2018
	<b>Product Use Stopped After the Onset of the Adverse Event:</b> No
	<b>Perceived Relatedness to Adverse Event:</b> Possibly related
	<b>Other Foods or Products Given to the Animal During This Time Period:</b> Unknown
<b>Manufacturer /Distributor Information:</b>	
<b>Purchase Location Information:</b>	<b>Name:</b>
	<b>Address:</b> B6 United States
<b>Product Name:</b>	Nutro MAX Adult Grain Free With Salmon Dry Dog Food, 25 lbs.

<b>Product Type:</b>	Pet Food	
<b>Lot Number:</b>		
<b>Package Type:</b>	BAG	
<b>Package Size:</b>	25 Pound	
<b>Purchase Date:</b>	10/18/2017	
<b>Number Purchased:</b>	1	
<b>Possess Unopened Product:</b>	No	
<b>Possess Opened Product:</b>	No	
<b>Storage Conditions:</b>	stored under cabinet, rolled up, clipped, in bag	
<b>Product Use Information:</b>	<b>Description:</b>	fed 2x daily
	<b>First Exposure Date:</b>	10/20/2017
	<b>Time Interval between Product Use and Adverse Event:</b>	7 Months
	<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes
	<b>Adverse Event Abate After Product Stop:</b>	No
	<b>Product Use Started Again:</b>	No
	<b>Perceived Relatedness to Adverse Event:</b>	Probably related
	<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Unknown
<b>Manufacturer /Distributor Information:</b>		
<b>Purchase Location Information:</b>	<b>Name:</b>	AMAZON
<b>Product Name:</b>	NUTRO MAX Large Breed Adult Recipe With Farm Raised Chicken Dry Dog Food, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor for Large Breed Dogs	
<b>Product Type:</b>	Pet Food	
<b>Lot Number:</b>		
<b>Package Type:</b>	BAG	
<b>Package Size:</b>	25 Pound	
<b>Purchase Date:</b>	01/21/2018	
<b>Number Purchased:</b>	1	
<b>Possess Unopened Product:</b>	No	
<b>Possess Opened Product:</b>	No	
<b>Storage Conditions:</b>	bag clipped, in cabinet, rolled up.	
<b>Product Use Information:</b>	<b>Description:</b>	2x/day fed
	<b>First Exposure Date:</b>	01/23/2018
	<b>Time Interval between Product</b>	5 Months

	<b>Use and Adverse Event:</b>	
	<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes
	<b>Adverse Event Abate After Product Stop:</b>	No
	<b>Product Use Started Again:</b>	No
	<b>Perceived Relatedness to Adverse Event:</b>	Probably related
	<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Unknown
<b>Manufacturer /Distributor Information:</b>		
<b>Purchase Location Information:</b>	<b>Name:</b>	AMAZON
<b>Product Name:</b>	NUTRO MAX Senior Recipe With Farm Raised Chicken Dry Dog Food, Whole Grains for Nutritious Fiber, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor	
<b>Product Type:</b>	Pet Food	
<b>Lot Number:</b>		
<b>Package Type:</b>	BAG	
<b>Package Size:</b>	25 Pound	
<b>Purchase Date:</b>	03/05/2018	
<b>Number Purchased:</b>	1	
<b>Possess Unopened Product:</b>	No	
<b>Possess Opened Product:</b>	No	
<b>Storage Conditions:</b>	Cabinet, rolled up and clipped in bag.	
<b>Product Use Information:</b>	<b>Description:</b>	Fed 2x/day
	<b>First Exposure Date:</b>	03/07/2018
	<b>Time Interval between Product Use and Adverse Event:</b>	2 Months
	<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes
	<b>Adverse Event Abate After Product Stop:</b>	No
	<b>Product Use Started Again:</b>	No
	<b>Perceived Relatedness to Adverse Event:</b>	Probably related
	<b>Other Foods or Products Given</b>	Unknown

		to the Animal During This Time Period:
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	<b>Name:</b> AMAZON
	<b>Product Name:</b>	Nutro MAX Adult Recipe With Farm Raised Chicken Mini Chunk Dry Dog Food, (1) 25 lbs; Rich in Nutrients and Full of Flavor
	<b>Product Type:</b>	Pet Food
	<b>Lot Number:</b>	
	<b>Package Type:</b>	BAG
	<b>Package Size:</b>	25 Pound
	<b>Purchase Date:</b>	04/26/2018
	<b>Number Purchased:</b>	1
	<b>Possess Unopened Product:</b>	No
	<b>Possess Opened Product:</b>	No
	<b>Storage Conditions:</b>	Immediately opened, we stored in cabinet in kitchen, rolled up bag and clipped shut
	<b>Product Use Information:</b>	<b>Description:</b> Fed 2x Daily
		<b>First Exposure Date:</b> 04/28/2018
		<b>Time Interval between Product Use and Adverse Event:</b> 1 Months
		<b>Product Use Stopped After the Onset of the Adverse Event:</b> Yes
		<b>Adverse Event Abate After Product Stop:</b> Unknown
		<b>Product Use Started Again:</b> No
		<b>Perceived Relatedness to Adverse Event:</b> Probably related
		<b>Other Foods or Products Given to the Animal During This Time Period:</b> Unknown
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	<b>Name:</b> AMAZON <b>Address:</b> United States
<b>Animal Information:</b>	<b>Name:</b>	<b>B6</b>
	<b>Type Of Species:</b>	Dog
	<b>Type Of Breed:</b>	Portuguese Water Dog
	<b>Gender:</b>	Male
	<b>Reproductive Status:</b>	Neutered
	<b>Weight:</b>	25.45 Kilogram
	<b>Age:</b>	11 Years

	<b>Assessment of Prior Health:</b>	Good		
	<b>Number of Animals Given the Product:</b>	1		
	<b>Number of Animals Reacted:</b>	1		
	<b>Owner Information:</b>			
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6	
		<b>Contact:</b>	<b>Name:</b>	B6
			<b>Phone:</b>	B6
		<b>Address:</b>	B6	
			United States	
		<b>Type of Veterinarian:</b>	Referred veterinarian	
<b>Date First Seen:</b>		06/13/2018		
<b>Permission to Release Records to FDA:</b>	Yes			
<b>Sender Information:</b>	<b>Name:</b>	B6		
	<b>Address:</b>	B6		
		United States		
	<b>Contact:</b>	<b>Phone:</b>	B6	
		<b>Email:</b>	B6	
	<b>Permission To Contact Sender:</b>	Yes		
<b>Preferred Method Of Contact:</b>	Email			
<b>Reported to Other Parties:</b>	None			
<b>Additional Documents:</b>	<b>Attachment:</b>	Nutro Orders Amazon.pdf		
	<b>Description:</b>	Flavors of nutro max ordered off amazon		
	<b>Type:</b>	Record		
	<b>Attachment:</b>	B6	Medical Records.pdf	
	<b>Description:</b>	B6	file from B6	
	<b>Type:</b>	Medical Records		



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# Search results

nutro

Search Orders

4 orders matching "nutro"



Order details Ordered on April 26, 2018 (1 item)

**Nutro** MAX Adult Recipe With Farm Raised Chicken Mini Chunk Dry Dog Food, (1) 25 lbs; Rich in Nutrients and Full of Flavor

Sold by: Fat Happy Pets



Order details Ordered on March 5, 2018 (1 item)

**Nutro** MAX Senior Recipe With Farm Raised Chicken Dry Dog Food, Whole Grains for Nutritious Fiber, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor

Sold by: Amazon.com Services, Inc.



Order details Ordered on January 21, 2018 (1 item)

**Nutro** MAX Large Breed Adult Recipe With Farm Raised Chicken Dry Dog Food, (1) 25-lb. bag; Rich in Nutrients and Full of Flavor for Large Breed Dogs

Sold by: Amazon.com Services, Inc.



Order details Ordered on October 18, 2017 (1 item)

**Nutro** MAX Adult Grain Free With Salmon Dry Dog Food, 25 lbs.

Sold by: Amazon.com LLC

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844

\$16.59



Bonsai Jack Succulent and Cactus Soil Gritty Mix #111 - (2 Quarts) - Fast Draining - Zero Root Rot -...

199

\$12.49



Cover Dot Acne Care (48 Dots) Exposed Skin Blemish Treatment with Hydrocolloid | Clear,...

564

\$15.75



Tinkle Eyebrow Razor Pack of 6

2,103

\$4.60



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Greenies Dog Pill Pockets Tablets

283



Merrick Power Bites Real Rabbit Dog Treats

64



Merrick Grain Free Gluten Free Power Bites Dog Treats, 6 oz



Greenies Pill Pocket Soft Dog Treats - Peanut Butter

1,911

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# Patient History Report

Client:	(83688)	Patient:	<b>B6</b> (107186)	Breed:	Water Dog, Portuguese
Phone:	<b>B6</b>	Species:	Canine	Sex:	Neutered Male
Address:		Age:	11 Yrs. 9 Mos.	Color:	Black

Date	Type	Staff	History
------	------	-------	---------

8/22/2018	TC	<b>B6</b>	Comments - TENTATIVE
10:22	8/22/2018	<b>B6</b>	Patient ID#107186

8/20/2018	TC	<b>B6</b>	Rx Outside Pharmacy Prescription - Phone In - TENTATIVE
Drug Name and Strength:	<b>B6</b>	5mg	
Dose:	Give 1 tab PO TID		
Quantity Dispensed:	#100		
Refills:	5		
Pharmacy Name:	<b>B6</b>		
Pharmacy Contact Person:	<b>B6</b>		
Pharmacy Phone Number:	<b>B6</b>		
Doctor:	<b>B6</b>		
Phoned in by:	<b>B6</b>		
Comments:			

8/18/2018	TC	SNC	Rx Outside Pharmacy Prescription - Phone In - TENTATIVE
Drug Name and Strength:	<b>B6</b>		
Dose:	1 tab in morning, 2 tabs in afternoon, 1 tab in evening; 1.5 in AM & one in PM		
Quantity Dispensed:	120; 100		

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

**B6**



# Patient History Report

<b>Client:</b> (83688)	<b>Patient:</b> B6 (107186)	
<b>Phone:</b> B6	<b>Species:</b> Canine	<b>Breed:</b> Water Dog, Portuguese
<b>Address:</b> B6	<b>Age:</b> 11 Yrs. 9 Mos.	<b>Sex:</b> Neutered Male
	<b>Color:</b> Black	

Date	Type	Staff	History
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Refills: 6 for each

Pharmacy Name: B6

Pharmacy Contact Person: B6

Pharmacy Phone Number: B6

Doctor: B6

Phoned in by: B6

Comments:

8/9/2018 TC B6 Prescription Communications - TENTATIVE  
22:51 8/9/2018  
B6 Patient ID#107186  
Prescription Communications: Called in to B6 5mg 1 tab tid #100.  
Initials: B6

8/7/2018 TC B6 Prescription Communications - TENTATIVE  
12:28 8/7/2018  
B6 Patient ID#107186  
Prescription Communications: Owner called requesting a refill of B6 mg for B6 D B6 recently increased the dose to 1.5 tabs AM, 1 tab PM. Owner would like the meds mailed to her house. Owner was driving at the time but will call back to give CC# over the phone.  
Initials: B6

8/7/2018 P B6 75.00 tablet of B6  
Rx #: 288362 0 Of 5 Refills Filled by: B6  
Give 1.5 tablets by mouth in the morning, 1 tablet in the evening. (This is a recently increased dose per Dr B6)

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative med note, V: Vital signs

# Patient History Report

Client: [B6] h (83688) Patient: [B6] (107186)  
Phone: [B6] Species: Canine Breed: Water Dog, Portuguese  
Address: [B6] Age: 11 Yrs. 9 Mos. Sex: Neutered Male  
Color: Black

Date	Type	Staff	History
------	------	-------	---------

8/3/2018 TC [B6] Prescription Communications - TENTATIVE  
19:02 8/3/2018  
[B6] Patient ID#107186  
Prescription Communications: Owner called requesting written scripts be sent to her for all pets medication, mainly since Dr [B6] just spoke to owner the other day and adjusted these meds. Owner wants to get a quote from [B6] pharmacy and they need written rx's for the meds. Told owner I can write the scripts from Dr [B6] for the [B6] [B6] was through ER and would needs their approval to sign the script. Told owner I will leave note for Dr [B6] and hopefully get them mailed out to her this weekend.  
Initials: [B6]

8/1/2018 TC [B6] Client Communication 2 - TENTATIVE  
18:13 8/1/2018  
[B6] Patient ID#107186  
Comments: PCFO, asking for a call from Dr [B6] Pet has been having more syncopal episodes at home and owner wondering if they can adjust medications or add any [B6] called and spoke with owner, recommend increasing [B6] [B6] ing afternoon, 20mg evening.  
Initials: [B6]

6/27/2018 D [B6] Pulmonary hypertension Tentative  
6/27/2018 D [B6] Mitral valve insufficiency Tentative  
6/27/2018 P [B6] 60.00 tablet of [B6] ng Tablet (ORAL195)  
Rx #: 282253 0 Of 6 Refills Filled by: [B6]  
Give 1 tablet by mouth every 12 hours.

6/27/2018 C [B6] Cardiology - Dr. [B6] Consult v2 - CLOSED 07/02/2018  
Date: 6/27/2018 Time: 10:16  
History: [B6] presents to Dr [B6] for a recheck cardiology evaluation. Last seen June 13, 2018. Current cardiac medications: [B6]  
Physical Exam: H/L; Grade IV/VI left and right holosystolic murmur; intermittent arrhythmia and no pulmonary crackles.  
Body Condition Score:3- moderate  
ECG: HR: 140/minute; sinus rhythm with occasional intermittent ventricular premature complexes.  
Blood Pressure: 150 mmHg  
ECHOCARDIOGRAM:

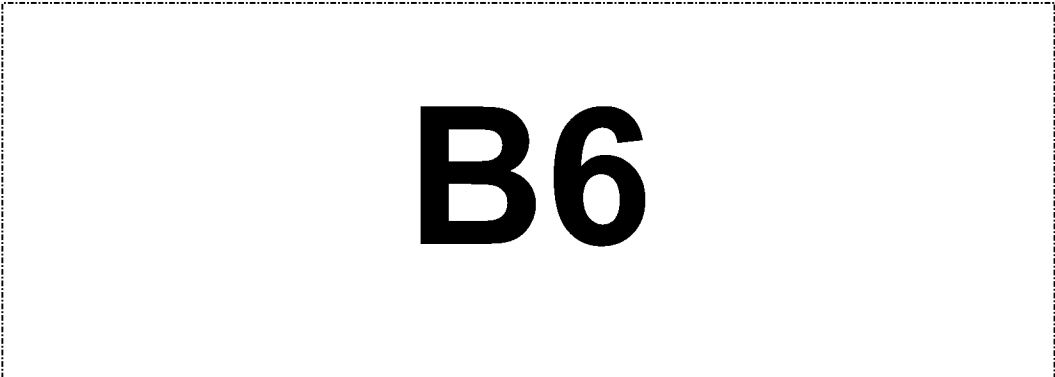
B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

[B6]

# Patient History Report

Client: Phone: Address:	<b>B6</b>	(83688)	Patient: <b>B6</b> (107186) Species: Canine Age: 11 Yrs. 9 Mos. Color: Black	Breed: Water Dog, Portuguese Sex: Neutered Male
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Date	Type	Staff	History
------	------	-------	---------



**B6**

DIAGNOSIS: Stage C Mitral valve insufficiency, and tricuspid vavular insufficiency. Pulmonary hypertension that is stable and compensated with controlled congestive heart failure and controlled pulmonary hypertension.

THERAPEUTIC GUIDELINES: Current therapy as now being administered.

RECOMMENDATIONS: Continue home monitor and log of the resting/sleeping breathing rate (should be less than 30 breaths per minute).

CARDIOLOGY RECHECK: Three to six months dependent on clinical signs and symptoms. We wis **B6** and hid family a good Summer season.

6/19/2018 C **B6** Converted Document - CLOSED 06/20/2018  
05:44 6/19/2018 **B6** Patient ID#107186

Comments: O called, wanted to know if she could start giving a medication she found online called "young at heart" and what low sodium diet we recommend. Spoke with 1LD, Told O that we can not recommend giving a medication we know nothing about. However she can bring the medication to her next cardiology appt. to have Dr. **B6** evaulated what is in the medication and if it would be safe to give to the P. 1LD recommended Royal Canin ZD, O said they might start the diet but were unsure do to cost if they wanted to commit to it.  
Initials: **B6**

B:Billing, C:Med note, CB:Call back, CK:Check-in, CM:Communications, D:Diagnosis, DH:Declined to history, E:Examination, ES:Estimates, I:Departing instr, L:Lab result, M:Image cases, P:Prescription, PA:PVL Accepted, PB:problems, PP:PVL Performed, PR:PVL Recommended, R:Correspondence, T:Images, TC:Tentative medl note, V:Vital signs

**B6**

# Patient History Report

<b>Client:</b> <b>Phone:</b> <b>Address:</b>	<b>B6</b>	(83688)	<b>Patient:</b> <b>B6</b> (107186)	<b>Species:</b> Canine	<b>Breed:</b> Water Dog, Portuguese
				<b>Age:</b> 11 Yrs. 9 Mos.	<b>Sex:</b> Neutered Male
				<b>Color:</b> Black	

Date	Type	Staff	History
------	------	-------	---------

6/17/2018 C **B6** Converted Document - CLOSED 06/18/2018

04:07 6/17/2018

**B6** Patient ID# 107186

Comments: O called w/ concerns about **B6** 1) was on **B6** prior to hospitalization and he is itchy now. Is it okay to give **B6** w/ current medications. 2) P has been chomping and that is often a precursor to a seizure. Can she give **B6** 2 to 3 hours early if he is chomping? 3) P usually gets nexgard on the 20th of each month. Is it okay to give? 4) When can P have a bath? 5) Had D+ today. O's daughter believed from feeding too many blueberries. What to do? Spoke w/ **B6** and gave O the following answers: 1) Okay to give apoquel if itchy, no contraindications 2) Okay to give **B6** 2 hours early if P is chomping 3) Okay to give nexgard 4) P can have a bath so long as he is calm during procedure. Do not want to stress P out. 5) Keep an eye on D+ to see if due to blueberries. If continues, call for further advice. **B6**  
Initials: **B6**

6/15/2018 P **B6** 15.00 CHIP of Conversion Miscellaneous Item (CNVITEM)  
Rx #: 280467 Exp. 06/15/19 0 Of 0 Refills Filled by: **B6**  
Give 1 tablet by mouth every 8 hours.

6/15/2018 C **B6** Converted Document - CLOSED 06/22/2018

**Drug Name and Strength:** **B6** mg

**Dose:** 1 tab PO q12hrs

**Quantity Dispensed:** #60

**Refills:** 2

**Pharmacy Name:** **B6**

**Pharmacy Contact Person:**

**Pharmacy Phone Number:** **B6**

**Doctor:** **B6**

**Phoned in by:** **B6**

**Comments:**

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing Instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

# Patient History Report

Client: (83688) Patient: B6 (107186)  
Phone: B6 Species: Canine Breed: Water Dog, Portuguese  
Address: B6 Age: 11 Yrs. 9 Mos. Sex: Neutered Male  
Color: Black

Date	Type	Staff	History
------	------	-------	---------

6/15/2018 C B6 Converted Document - CLOSED 06/22/2018

Drug Name and Strength: B6 mg

Dose: 1 tab PO q12hrs

Quantity Dispensed: #60

Refills: 2

Pharmacy Name: B6

Pharmacy Contact Person:

Pharmacy Phone Number: B6

Doctor: B6

Phoned in by: B6

Comments:

6/15/2018 C B6 Converted Document - CLOSED 06/22/2018

Drug Name and Strength: B6 mg

Dose: 1 tab PO q 12hours

Quantity Dispensed: #60

Refills: 2

Pharmacy Name: B6

Pharmacy Contact Person:

Pharmacy Phone Number: B6

Doctor: B6

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

# Patient History Report

**Client:** (83688) **Patient:** B6 (107186)  
**Phone:** **B6** **Species:** Canine **Breed:** Water Dog, Portuguese  
**Address:** **B6** **Age:** 11 Yrs. 9 Mos. **Sex:** Neutered Male  
**Color:** Black

Date	Type	Staff	History
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Phoned in by: **B6**

**Comments:**

6/15/2018 C **B6** Converted Document - CLOSED 06/16/2018  
PCV: %  
TS:  
Time Drawn:  
Initials:  
Serum appearance:

6/15/2018 C **B6** Converted Document - CLOSED 06/16/2018  
PCV: 41%  
TS: 7.0  
Time Drawn: 9:11a  
Initials: cb  
Serum appearance: clear

6/15/2018 L **B6** Chemistry results from **B4** In-clinic  
Laboratory Requisition ID: 51545 Posted Final  
Test Result Reference Range  
BUN/CREA = **B6**

6/15/2018 L **B6** Chemistry results from **B4** In-clinic  
Laboratory Requisition ID: 51545 Posted Final  
Test Result Reference Range  
BUN/UREA = **B6** 7 - 27  
CREA = **B6** 0.5 - 1.8

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

# Patient History Report

<b>Client:</b>	(83688)	<b>Patient:</b>	<b>B6</b> (107186)		
<b>Phone:</b>	<b>B6</b>	<b>Species:</b>	Canine	<b>Breed:</b>	Water Dog, Portuguese
<b>Address:</b>		<b>Age:</b>	11 Yrs. 9 Mos.	<b>Sex:</b>	Neutered Male
		<b>Color:</b>	Black		

Date	Type	Staff	History
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6/15/2018 C **B6** Converted Document - CLOSED 06/29/2018

**PHYSICAL EXAM:**

**B6**

- Subjective:
- Weight:
- Temp/HR/RR/MMs/CRT:
- Eyes:
- Ears:
- Oro-nasal:
- Heart:
- Lungs:
- Abdomen:
- Rectal:
- Urogenital:
- Musculoskeletal/BCS:
- Integument:
- Lymph Nodes:
- Neurologic:
- Hydration/Perfusion:
- Pain Scale/ASA Status:

**B6**

**PROBLEM LIST:**

- Atrial and ventricular premature contractions
- Pale mucous membranes
- Coughing and collapse episodes
- Lethargy
- Stage C mitral and tricuspid valvular insufficiency with severe left side congestive heart failure and also severe pulmonary hypertension

**PLAN:**

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

**B6**

# Patient History Report

Client:	(83688)	Patient:	<b>B6</b> (107186)	Breed:	Water Dog, Portuguese
Phone:	<b>B6</b>	Species:	Canine	Sex:	Neutered Male
Address:		Age:	11 Yrs. 9 Mos.	Color:	Black

Date	Type	Staff	History
------	------	-------	---------

**B6**

Transition to oral meds

**COMMENTS/CLIENT COMMUNICATION:**

Discussed with owner regarding **B6** status this morning, out of oxygen, eating still, will recheck bloodwork and see where he is at this point. Seizure during this hospitalization. Going to continue anti-seizure medication.

Clinician Name 1st Shift: **B6** VMD, DACVECC 8a-6p

1st 12hr Progress Notes: 2pm:

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

**B6**



## Patient History Report

<b>Client:</b>	B6	(83688)	<b>Patient:</b>	B6	ar (107186)
<b>Phone:</b>			<b>Species:</b>	Canine	<b>Breed:</b> Water Dog, Portuguese
<b>Address:</b>			<b>Age:</b>	11 Yrs. 9 Mos.	<b>Sex:</b> Neutered Male
			<b>Color:</b>	Black	

Date	Type	Staff	History
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**Clinician Name 2nd Shift:** B6 VMD 8p-8a

**2nd 12hr Progress Notes:**

6/15/2018 C B6 Converted Document - CLOSED 06/22/2018

B6

11 Yrs. 7 Mos. Neutered Male Portuguese Water Dog

Test	Result	Flag	Units	Normal Range
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Element POC 1 - Friday, June 15, 2018 9:21 AM Dog ID:107186

pO2	B6	mmHg	89.0 - 104.0
cSO2		%	90.0 - 100.0
pCO2		mmHg	35.0 - 41.0
Bicarbonate		mmol/L	20.0 - 25.0
cTCO2		mmol/L	18.0 - 28.0
pH			7.360 - 7.460
BE, ECF		mmol/L	-5.0 - 5.0
Sodium		mmol/L	140 - 151
Potassium		mmol/L	3.5 - 5.0
Chloride		mmol/L	106 - 127
Calcium, io		mmol/L	1.13 - 1.42
Anion gap		mmol/L	5 - 22
Lactate		mmol/L	0.60 - 3.00
Creatinine		mg/dL	0.40 - 1.50
Glucose		mg/dL	63 - 124
HCT			36 - 55

6/14/2018 C B6 Converted Document - CLOSED 06/21/2018

B6

11 Yrs. 7 Mos. Neutered Male Portuguese Water Dog

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

# Patient History Report

Client:	83688)	Patient:	B6 (107186)	
Phone:	B6	Species:	Canine	Breed: Water Dog, Portuguese
Address:		Age:	11 Yrs. 9 Mos.	Sex: Neutered Male
		Color:	Black	

Date	Type	Staff	History
------	------	-------	---------

TEST	Result	Flag	Normal Range	Units	
Element POC_1 - Thursday, June 14, 2018 9:55 AM					Dog ID:107186
pO2	B6		24.0 - 54.0	mmHg	B6
eSO2			40.0 - 90.0	%	
pCO2			30.0 - 47.0	mmHg	
Bicarbonate			16.0 - 28.0	mmol/L	
eTCO2			16.0 - 28.0	mmol/L	
pH			7.360 - 7.460		
BE, ECF			-5.0 - 5.0	mmol/L	
Sodium			140 - 151	mmol/L	
Potassium			3.5 - 5.0	mmol/L	
Chloride			106 - 127	mmol/L	
Calcium, ionized			1.13 - 1.42	mmol/L	
Anion gap			5 - 22	mmol/L	
Lactate			0.60 - 3.00	mmol/L	
Creatinine			0.40 - 1.50	mg/dL	
Glucose			63 - 124	mg/dL	
HCT		36 - 55	%		

PCV: 40%  
 TS: 7.0  
 serum clear. snc

6/14/2018 L	B6	Chemistry results from IDEXX VetLab In-clinic Laboratory Requisition ID: 51529 Posted Final Test Result Reference Range BUN/CREA = <span style="border: 1px dashed black; padding: 2px;">B6</span>
6/14/2018 L		Chemistry results from IDEXX VetLab In-clinic Laboratory Requisition ID: 51529 Posted Final Test Result Reference Range BUN/UREA = <span style="border: 1px dashed black; padding: 2px;">B6</span> 7 - 27 CREA = <span style="border: 1px dashed black; padding: 2px;">B6</span> 0.5 - 1.8

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images TC: Tentative medl note, V: Vital signs

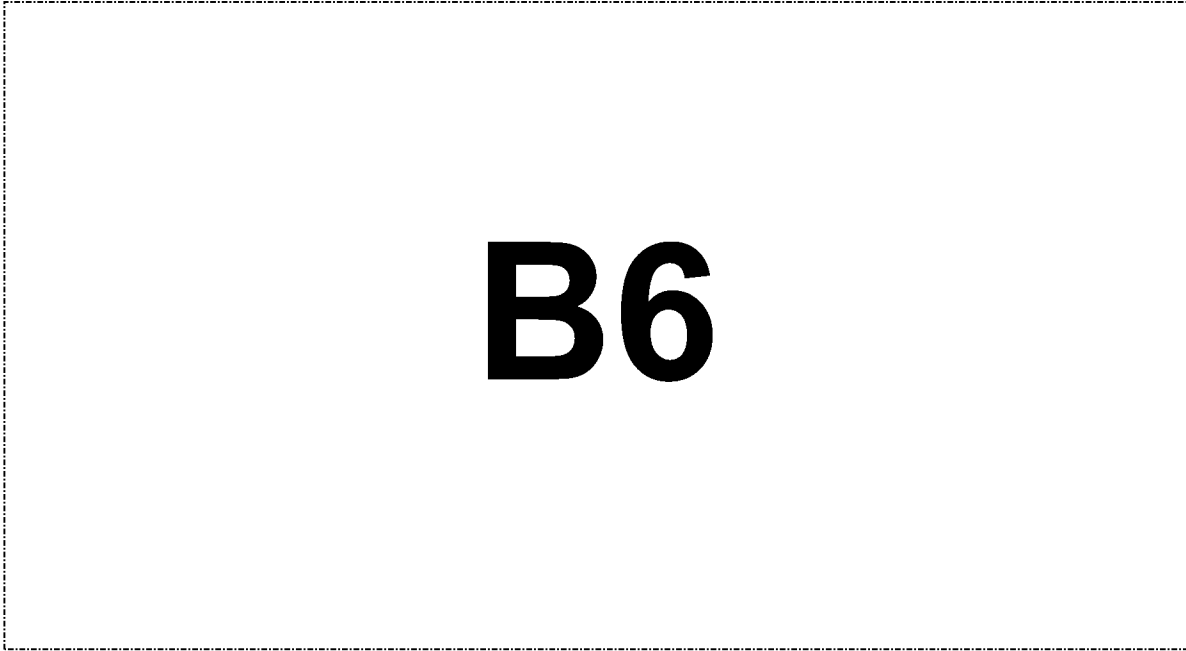
# Patient History Report

Client: (83688)	Patient: B6 (107186)	Breed: Water Dog, Portuguese
Phone: B6	Species: Canine	Sex: Neutered Male
Address: B6	Age: 11 Yrs. 9 Mos.	
	Color: Black	

Date	Type	Staff	History
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6/14/2018 C B6 Converted Document - CLOSED 06/15/2018  
PCV: 40%  
TS: 7.0  
Time Drawn: 9:47am  
Initials: snc  
Serum appearance: clear

6/14/2018 C B6 Converted Document - CLOSED 06/28/2018  
**PHYSICAL EXAM:** Overnight: T 102.6 P 140 R 60. increased RE overnight. comfortable and stable in oxygen. continue plan as above. eating and drinking normally.



**PROBLEM LIST:** Atrial and ventricular premature contractions  
Pale mucous membranes

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

# Patient History Report

Client:	(83688)	Patient:	<b>B6</b>	(107186)	Breed:	Water Dog, Portuguese	
Phone:	<b>B6</b>	Species:	Canine	Age:	11 Yrs. 9 Mos.	Sex:	Neutered Male
Address:		Color:	Black				

Date	Type	Staff	History
------	------	-------	---------

Coughing and collapse episodes  
Lethargy  
Stage C mitral and tricuspid valvular insufficiency with severe left side congestive heart failure and also severe pulmonary hypertension

**PLAN:**

**B6**

Transition to oral meds

**COMMENTS/CLIENT COMMUNICATION:**

Discussed with owner regarding **B6** we are still trying to get him out of failure, but he requires oxygen still. We are going to keep going and see if we can continue with diuretics, cardiac medications, and supportive care over the next 48 hours.

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**B6**

# Patient History Report

Client: (83688)	Patient: <b>B6</b> (107186)	
Phone: <b>B6</b>	Species: Canine	Breed: Water Dog, Portuguese
Address: <b>B6</b>	Age: 11 Yrs. 9 Mos.	Sex: Neutered Male
	Color: Black	

Date	Type	Staff	History
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Clinician Name 1st Shift: **B6**, VMD, DACVECC 8a-6p

1st 12hr Progress Notes: 2pm: **B6** had a seizure - resolved with keppra and valium. We are going to monitor **B6** and add **B6** at this point. **B6** is doing well otherwise and respiratory rate and effort seems to be improved.

Clinician Name 2nd Shift: **B6**, VMD 8p-8a

2nd 12hr Progress Notes: T 101.4 P 110 R 80 with an increased RE.  
Harsh lung sounds bilaterally  
4/6 HM, pulses ss, occasional premature beats ausc  
No collapse episodes overnight  
IVC replaced at 10 pm since Tucker was reactive during lasix administration  
Continue O2 supplementation overnight due to persistent inc RR/RE  
No seizure activity overnight

6/14/2018 C **B6** Converted Document - CLOSED 06/15/2018  
PCV: 41%  
TS: 5.6  
Time Drawn: 12:30am  
Initials: SCH  
Serum appearance: clear

6/14/2018 L **B6** Chemistry results from IDEXX VetLab In-clinic  
Laboratory Requisition ID: 51520 Posted Final  
Test Result Reference Range  
Na/K = **B6**

6/14/2018 L **B6** Chemistry results from IDEXX VetLab In-clinic  
Laboratory Requisition ID: 51520 Posted Final  
Test Result Reference Range  
ALB = **B6** 2.2 - 3.9

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

# Patient History Report

Client:	B6	(83688)	Patient: <b>B6</b>	(107186)	
Phone:			Species: Canine		Breed: Water Dog, Portuguese
Address:			Age: 11 Yrs. 9 Mos.		Sex: Neutered Male
			Color: Black		

Date	Type	Staff	History
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ALKP =	B6	23 - 212
ALT =		10 - 125
BUN/UREA =		7 - 27
Ca =		7.9 - 12.0
Chloride =		109 - 122
CHOL =		110 - 320
CREA =		0.5 - 1.8
GGT =		0 - 11
GLU =		70 - 143
PHOS =		2.5 - 6.8
Potassium =		3.5 - 5.8
TBIL <		0.0 - 0.9
TP =		5.2 - 8.2
Sodium =		144 - 160
GLOB =		2.5 - 4.5
OSM calc =		
ALB/GLOB =		
BUN/CREA =		

6/14/2018 L

**B6**

Hematology results from IDEXX VetLab In-clinic		
Laboratory Requisition ID: 51520		
	Posted	Final
Test	Result	Reference Range
BASO =	B6	0.00 - 0.10
EOS =		0.06 - 1.23
HCT =		37.3 - 61.7
HGB =		13.1 - 20.5
LYMPHS =		1.05 - 5.10
MCH =		21.2 - 25.9
MCHC =		32.0 - 37.9
MCV =		61.6 - 73.5
MONOS =		0.16 - 1.12
MPV -		8.7 - 13.2
RBC =		5.65 - 8.87
WBC =		5.05 - 16.76
%LYMPHS =		
%MONOS =		
NEUT =		2.95 - 11.64
%NEUT =		
%EOS =		
%BASO =		
PLT =		148 - 484
Retics =		10.0 - 110.0
%Retics =		
RDW =		13.6 - 21.7
PDW -		9.1 - 19.4
PCT -		0.14 - 0.46
PLT Abnormal Distribution		

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

**B6**

# Patient History Report

Client: (83688)	Patient: <b>B6</b> (107186)	
Phone: <b>B6</b>	Species: Canine	Breed: Water Dog, Portuguese
Address: <b>B6</b>	Age: 11 Yrs. 9 Mos.	Sex: Neutered Male
	Color: Black	

Date	Type	Staff	History
6/14/2018	P	<b>B6</b>	60.00 CHIP of Conversion Miscellaneous Item (CNVITEM) Rx #: 280230 Exp. 06/14/19 0 Of 0 Refills Filled by: <b>B6</b> Give 1 tablet by mouth every 12 hours until otherwise directed. This medication may cause increased thirst and urination.
6/14/2018	P	<b>B6</b>	60.00 CHIP of Conversion Miscellaneous Item (CNVITEM) Rx #: 280229 Exp. 06/14/19 0 Of 0 Refills Filled by: <b>B6</b> Give 1 tablet by mouth every 12 hours until otherwise directed
6/14/2018	P	<b>B6</b>	60.00 CHIP of Conversion Miscellaneous Item (CNVITEM) Rx #: 280228 Exp. 06/14/19 0 Of 0 Refills Filled by: <b>B6</b> Give 1 tablet by mouth every 12 hours until otherwise directed

6/13/2018 C **B6** Converted Document - CLOSED 06/15/2018  
Date: 6/13/2018 Time: 16:25  
History: **B6** presents to Dr **B6** for a cardiology consultation through our emergency service.  
Physical Exam: Clinical signs of congestive heart failure; the thoracic radiographs confirm severe left side congestive heart failure with hilar and peripheral alveolar pulmonary edema.  
Body Condition Score: 3- moderate

**B6**

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative med note, V: Vital signs

**B6**

# Patient History Report

Client:	<b>B6</b>	(83688)	Patient:	<b>B6</b>	(107186)
Phone:		Species:	Canine	Breed:	Water Dog, Portuguese
Address:		Age:	11 Yrs. 9 Mos.	Sex:	Neutered Male
			Color:	Black	

Date	Type	Staff	History
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DIAGNOSIS: Stage C mitral and tricuspid valvular insufficiency with severe left side congestive heart failure and also severe pulmonary hypertension.

THERAPEUTIC GUIDELINES: In hospital oxygen and parenteral lasix per the Emergency Department; start pimobendan 50 mg tab twice daily; sildenafil 20 mg twice daily and lasix 50 mg twice daily (maintenance; higher doses initially).

RECOMMENDATIONS: Per Emergency service; a poor prognosis is evident at this time.

CARDIOLOGY RECHECK: Three to four weeks; we are sorry about **B6** diagnosis and hope he can cover to maintain a good quality life for as long as possible.

6/13/2018 C **B6** Converted Document - CLOSED 06/20/2018

**HISTORY:**

**B6** started coughing the last week of May, and he has been progressively lethargic since that time. He was seen by his primary care veterinarian. At the time, radiographs were recommended and declined. He was started on Benadryl, but when no improvement was seen after one week he was started on **B6** mg PO twice daily. There was only a mild improvement seen on the **B6** so it was recommended for **B6** to have radiographs and an echocardiogram. **B6** has an appointment next week with the cardiology service but on Friday evening **B6** had a collapse episode after coughing (became limp, unresponsive). He was given mouth to snout breaths, and recovered after a few minutes. **B6** had another episode of collapse after coughing this afternoon and it was elected to bring **B6** in through the emergency service at **B6**

Prior Medical History: Skin issues, Seizures; happen about once per month. No current medications for seizures. History of heart murmur that was first noted in 2016

**B6**  
Vaccines/preventatives: UTD on vaccinations

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# Patient History Report

<b>Client:</b>	(83688)	<b>Patient:</b> B6 er (107186)	
<b>Phone:</b>	<b>B6</b>	<b>Species:</b> Canine	<b>Breed:</b> Water Dog, Portuguese
<b>Address:</b>		<b>Age:</b> 11 Yrs. 9 Mos.	<b>Sex:</b> Neutered Male
		<b>Color:</b> Black	

Date	Type	Staff	History
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**B6**

**PROBLEM LIST:**

Atrial and ventricular premature contractions  
Pale mucous membranes  
Coughing and collapse episodes  
Lethargy  
Stage C mitral and tricuspid valvular insufficiency with severe left side congestive heart failure and also severe pulmonary hypertension

**PLAN:**

**B6**

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

# Patient History Report

Client:	(83688)	Patient:	<b>B6</b> (107186)	Breed:	Water Dog, Portuguese
Phone:	<b>B6</b>	Species:	Canine	Sex:	Neutered Male
Address:		Age:	11 Yrs. 9 Mos.	Color:	Black

Date	Type	Staff	History
------	------	-------	---------

Treatments

**B6**

COMMENTS/CLIENT  
COMMUNICATION:

Clinician Name 1st Shift: **B6** VMD 10a-10p

1st 12hr Progress Notes: Very mild improvement in RR/RE in O2 and after 1st dose of lasix, improved color though.

Called O at 5:45pm with update after cardio consult. Discussed diagnosis and unfortunate poor prognosis. Discussed two options: **B6**

**B6**

continued care. Updated that next update in AM and will receive updat from diff

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

**B6**

# Patient History Report

Client:	(83688)	Patient:	B6 (107186)	Breed:	Water Dog, Portuguese
Phone:	B6	Species:	Canine	Sex:	Neutered Male
Address:		Age:	11 Yrs. 9 Mos.	Color:	Black

Date	Type	Staff	History
------	------	-------	---------

doctor tomorrow. Goals will be to wean off O2 sometime tomorrow, check kidney values daily to see if tolerating furosemide at current dose.

### Plan for 6/14

Recheck PCV/TS, EPOC, BUN, Crea daily

B6

EKG if HR > 150

B6

Told Os it is possible for p to go home as early as Thursday night but realistically more likely sometime Fri to make sure doesn't go back into failure as weaning IV lasix and changing to oral.

Clinician Name 2nd Shift: B6 VMD 8p-8a

2nd 12hr Progress Notes: T 102.6 P 140 R 60. increased RE overnight. comfortable and stable in oxygen. continue plan as above. eating and drinking normally.

6/13/2018	V	B6	Jun 13, 2018 03:37 PM	Staff: B6
		Weight	: 25.45 kilograms	

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

B6

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 3/20/2019 6:28:36 PM  
**Subject:** Taste of the Wild Grain Free; [B6] EON-382849  
**Attachments:** 2064322-report.pdf

A PFR Report has been received and PFR Event [EON-382849] has been created in the EON System.

A "PDF" report by name "2064322-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-382849

**ICSR #:** 2064322

**EON Title:** PFR Event created for Taste of the Wild Grain Free; 2064322

<b>AE Date</b>	03/20/2019	<b>Number Fed/Exposed</b>	
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Pointing Dog - German Short-haired		
<b>Age</b>	5 Years		
<b>District Involved</b>	PFR-[B4]DO		

**Product information**

**Individual Case Safety Report Number:** 2064322

**Product Group:** Pet Food

**Product Name:** Taste of the Wild Grain Free

**Description:** [B4] was diagnosed with a new heart murmur on 12/4/18 when she was seen for routine vaccines. At that time she was being fed Taste of the Wild Grain free Salmon diet. [B4] regular veterinarian recommended switching diets and she was switched to Purina Proplan Sport. She was seen today and diagnosed with Dilated cardiomyopathy.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Taste of the Wild Grain Free		

**Sender information**

**B6**

USA

**Owner information**

**B6**

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

---

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**Report Details - EON-382849**

**ICSR:** 2064322  
**Type Of Submission:** Initial  
**Report Version:** FPSR.FDA.PETF.V.V1  
**Type Of Report:** Adverse Event (a symptom, reaction or disease associated with the product)  
**Reporting Type:** Voluntary  
**Report Submission Date:** 2019-03-20 14:21:29 EDT

**Reported Problem:**

<b>Problem Description:</b>	<b>B6</b> was diagnosed with a new heart murmur on 12/4/18 when she was seen for routine vaccines. At that time she was being fed Taste of the Wild Grain free Salmon diet. <b>B6</b> regular veterinarian recommended switching diets and she was switched to Purina Proplan Sport. She was seen today and diagnosed with Dilated cardiomyopathy.
<b>Date Problem Started:</b>	03/20/2019
<b>Concurrent Medical Problem:</b>	Unknown
<b>Outcome to Date:</b>	Stable

**Product Information:**

<b>Product Name:</b>	Taste of the Wild Grain Free
<b>Product Type:</b>	Pet Food
<b>Lot Number:</b>	
<b>Product Use Information:</b>	
<b>Manufacturer /Distributor Information:</b>	
<b>Purchase Location Information:</b>	

**Animal Information:**

<b>Name:</b>	<b>B6</b>														
<b>Type Of Species:</b>	Dog														
<b>Type Of Breed:</b>	Pointing Dog - German Short-haired														
<b>Gender:</b>	Female														
<b>Reproductive Status:</b>	Neutered														
<b>Weight:</b>	27 Kilogram														
<b>Age:</b>	5 Years														
<b>Assessment of Prior Health:</b>	Good														
<b>Number of Animals Reacted:</b>	1														
<b>Owner Information:</b>	<table border="1"><tr><td><b>Owner Information provided:</b></td><td>Yes</td></tr><tr><td><b>Contact:</b></td><td><table border="1"><tr><td><b>Name:</b></td><td><b>B6</b></td></tr><tr><td><b>Phone:</b></td><td></td></tr></table></td></tr><tr><td><b>Address:</b></td><td><table border="1"><tr><td><b>B6</b></td></tr><tr><td>United States</td></tr></table></td></tr></table>	<b>Owner Information provided:</b>	Yes	<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td><b>B6</b></td></tr><tr><td><b>Phone:</b></td><td></td></tr></table>	<b>Name:</b>	<b>B6</b>	<b>Phone:</b>		<b>Address:</b>	<table border="1"><tr><td><b>B6</b></td></tr><tr><td>United States</td></tr></table>	<b>B6</b>	United States		
<b>Owner Information provided:</b>	Yes														
<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td><b>B6</b></td></tr><tr><td><b>Phone:</b></td><td></td></tr></table>	<b>Name:</b>	<b>B6</b>	<b>Phone:</b>											
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<b>B6</b>															
United States															
<b>Healthcare Professional Information:</b>	<table border="1"><tr><td><b>Practice Name:</b></td><td><b>B6</b></td></tr><tr><td><b>Contact:</b></td><td><table border="1"><tr><td><b>Name:</b></td><td><b>B6</b></td></tr><tr><td><b>Phone:</b></td><td></td></tr><tr><td><b>Other Phone:</b></td><td></td></tr><tr><td><b>Email:</b></td><td></td></tr></table></td></tr><tr><td><b>Address:</b></td><td><b>B6</b></td></tr></table>	<b>Practice Name:</b>	<b>B6</b>	<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td><b>B6</b></td></tr><tr><td><b>Phone:</b></td><td></td></tr><tr><td><b>Other Phone:</b></td><td></td></tr><tr><td><b>Email:</b></td><td></td></tr></table>	<b>Name:</b>	<b>B6</b>	<b>Phone:</b>		<b>Other Phone:</b>		<b>Email:</b>		<b>Address:</b>	<b>B6</b>
<b>Practice Name:</b>	<b>B6</b>														
<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td><b>B6</b></td></tr><tr><td><b>Phone:</b></td><td></td></tr><tr><td><b>Other Phone:</b></td><td></td></tr><tr><td><b>Email:</b></td><td></td></tr></table>	<b>Name:</b>	<b>B6</b>	<b>Phone:</b>		<b>Other Phone:</b>		<b>Email:</b>							
<b>Name:</b>	<b>B6</b>														
<b>Phone:</b>															
<b>Other Phone:</b>															
<b>Email:</b>															
<b>Address:</b>	<b>B6</b>														

**B6**

United States

**Sender Information:**

**Name:**

**Address:**

**B6**

United States

**Contact:**

**Phone:**

**Other Phone:**

**Email:**

**B6**

**Permission To Contact Sender:** Yes

**Preferred Method Of Contact:** Email

**Additional Documents:**

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**From:** Rotstein, David </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0A3B17EBFCF14A6CB8E94F322906BADD-DROTSTEI>  
**To:** Carey, Lauren; Ceric, Olgica; Glover, Mark; Jones, Jennifer L; Nemser, Sarah; Palmer, Lee Anne; Peloquin, Sarah; Queen, Jackie L; Rotstein, David  
**Sent:** 4/15/2019 10:48:01 AM  
**Subject:** DCM cases 4/15/2019 0645  
**Attachments:** Nature's Domain - Salmon and Sweet Potato-Nature's Domain - Turkey ad Sweet Potato-Nature's Domain - Beef and Sweet Potato-Nature's Domain - Canned Grain free Dog Food: [B6] - EON-385037; Solid Gold Mighty Mini Beef: Lisa Freeman - EON-380716; Solid Gold Mighty Mini Beef: Lisa Freeman - EON-384905

Related EON-348905 (not sure if following the original)

David Rotstein, DVM, MPVM, Dipl. ACVP  
CVM Vet-LIRN Liaison  
CVM OSC/DC/CERT  
7519 Standish Place  
[B6] (BB)



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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>

**To:** Cleary, Michael \*; HQ Pet Food Report Notification; **B6**

**Sent:** 4/14/2019 11:20:28 PM

**Subject:** Nature's Domain - Salmon and Sweet Potato-Nature's Domain - Turkey ad Sweet Potato-Nature's Domain - Beef and Sweet Potato-Nature's Domain - Canned Grain free Dog Food; **B6** - EON-385037

**Attachments:** 2065806-report.pdf

A PFR Report has been received and PFR Event [EON-385037] has been created in the EON System.

A "PDF" report by name "2065806-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-385037

**ICSR #:** 2065806

**EON Title:** PFR Event created for Nature's Domain - Salmon and Sweet Potato Nature's Domain - Turkey ad Sweet Potato Nature's Domain - Beef and Sweet Potato Nature's Domain - Canned Grain free Dog Food; 2065806

<b>AE Date</b>	03/11/2019	<b>Number Fed/Exposed</b>	3
<b>Best By Date</b>		<b>Number Reacted</b>	2
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Retriever - Labrador		
<b>Age</b>	10 Years		
<b>District Involved</b>	PFR; <b>B6</b> DO		

**Product information**

**Individual Case Safety Report Number:** 2065806

**Product Group:** Pet Food

**Product Name:** Nature's Domain - Salmon and Sweet Potato Nature's Domain - Turkey ad Sweet Potato Nature's Domain - Beef and Sweet Potato Nature's Domain - Canned Grain free Dog Food

**Description:** A heart function blood test was run on **B6** and **B6** as part of their senior examination. **B6** numbers came back at around **B6** (top of normal range **B6**). While not formally diagnosed, DCM is suspected. **B6** numbers came back at **B6**. An ultrasound was run on **B6** and she has been diagnosed

with DCM; sever dilation of left ventricle with mild thickening of the mitral valve. **B6** is deemed to be at moderate risk for CHF. Both dogs are being given Taurine supplements and traditional dog food. **B6** is currently taking a beta blocker and Vetmedin. Both dogs were fed Nature's Domain (Costco or Kirkland brand of Grain Free Dog Food). They each rotated through the Salmon and Sweet Potato, Turkey and Sweet Potato, and Beef and Sweet Potato formulas throughout their lives. The grain free food was recommended for a third Labrador Retriever with severe allergies. This third dog was never diagnosed with DCM and was euthanized in **B6** at 15+ years due to severe arthritis.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 3

**Number of Animals Reacted With Product:** 2

Product Name	Lot Number or ID	Best By Date
Nature's Domain - Salmon and Sweet Potato Nature's Domain - Turkey ad Sweet Potato Nature's Domain - Beef and Sweet Potato Nature's Domain - Canned Grain free Dog Food		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

=====  
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Report Details - EON-385037		
ICSR:	2065806	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2019-04-14 19:09:49 EDT	
Reporter is the Animal Owner:	Yes	
Reported Problem:	<b>Problem Description:</b> A heart function blood test was run on B6 and B6 as part of their senior examination. B6 numbers came back at around B6 top of normal range. B6 While not formally diagnosed, DCM is suspected. B6 numbers came back at B6. An ultrasound was run on B6 and she has been diagnosed with DCM, sever dilation of left ventricle with mild thickening of the mitral valve. B6 is deemed to be at moderate risk for CHF. Both dogs are being given Taurine supplements and traditional dog food. B6 is currently taking a beta blocker and Vetmedin. Both dogs were fed Nature's Domain (Costco or Kirkland brand of Grain Free Dog Food). They each rotated through the Salmon and Sweet Potato, Turkey and Sweet Potato, and Beef and Sweet Potato formulas throughout their lives. The grain free food was recommended for a third Labrador Retriever with severe allergies. This third dog was never diagnosed with DCM and was euthanized in B6 at 15+ years due to severe arthritis.	
	<b>Date Problem Started:</b> 03/11/2019	
	<b>Concurrent Medical Problem:</b> No	
	<b>Outcome to Date:</b> Stable	
Product Information:	<b>Product Name:</b> Nature's Domain - Salmon and Sweet Potato Nature's Domain - Turkey ad Sweet Potato Nature's Domain - Beef and Sweet Potato Nature's Domain - Canned Grain free Dog Food	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Package Type:</b> BAG	
	<b>Package Size:</b> 35 Pound	
	<b>Purchase Date:</b> 12/15/2018	
	<b>Number Purchased:</b> 3	
	<b>Possess Unopened Product:</b> No	
	<b>Possess Opened Product:</b> No	
	<b>Storage Conditions:</b> In the original packaging placed in rubber trash cans with lids on them. Canned food stored in original can in refrigerator with aluminum foil covering can.	
	<b>Product Use Information:</b>	<b>Description:</b> Dogs were fed the same version of the dog food twice daily. Day 1: Salmon w/ small amount of canned food Day 2: Turkey w/ small amount of canned food Day 3: Beef w/ small amount of canned food Repeat. This is the only dog food these dogs were fed from June 2009 to March 2019.
		<b>First Exposure Date:</b> 12/15/2018
		<b>Last Exposure Date:</b> 03/15/2019
<b>Product Use Stopped After the Onset of the Adverse Event:</b> Yes		
<b>Adverse Event Abate After Product Stop:</b> No		
<b>Product Use:</b> No		

		<b>Started Again:</b>	
		<b>Perceived Relatedness to Adverse Event:</b>	Probably related
		<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Yes
	<b>Manufacturer /Distributor Information:</b>		
	<b>Purchase Location Information:</b>	<b>Name:</b>	Costco
		<b>Address:</b>	<b>B6</b> United States
<b>Animal Information:</b>	<b>Name:</b>	<b>B6</b>	
	<b>Type Of Species:</b>	Dog	
	<b>Type Of Breed:</b>	Retriever - Labrador	
	<b>Gender:</b>	Mixed Population of Female and Male	
	<b>Reproductive Status:</b>	Neutered	
	<b>Weight:</b>	65 Pound	
	<b>Age:</b>	10 Years	
	<b>Assessment of Prior Health:</b>	Good	
	<b>Number of Animals Given the Product:</b>	3	
	<b>Number of Animals Reacted:</b>	2	
	<b>Owner Information:</b>		
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	<b>B6</b>
		<b>Contact: Name:</b>	<b>B6</b>
		<b>Phone:</b>	
		<b>Address:</b>	<b>B6</b> United States
		<b>Type of Veterinarian:</b>	Primary/regular veterinarian
		<b>Date First Seen:</b>	02/19/2019
		<b>Permission to Release Records to FDA:</b>	Yes
<b>Sender Information:</b>	<b>Name:</b>	<b>B6</b>	
	<b>Address:</b>	<b>B6</b> United States	
	<b>Contact: Phone:</b>	<b>B6</b>	
	<b>Email:</b>	<b>B6</b>	
	<b>Reporter Wants to Remain Anonymous:</b>	No	
	<b>Permission To Contact Sender:</b>	Yes	

<b>Preferred Method Of Contact:</b>	Email
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<b>Reported to Other Parties:</b>	None
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<b>Additional Documents:</b>	
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**Report Details - EON-380716**

ICSR: 2063119  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-02-24 18:45:24 EST

**Reported Problem:**  
**Problem Description:** Has been regularly rechecked after PDA occlusion. Progressive reduction in left ventricular contractile function noted on most recent echo. Eating BEG diet. Owner changed to Royal Canin Early Cardiac diet and we will recheck in April  
**Date Problem Started:** 01/02/2019  
**Concurrent Medical Problem:** Yes  
**Pre Existing Conditions:** PDA - occluded 2016; overweight  
**Outcome to Date:** Stable

**Product Information:**  
**Product Name:** Solid Gold Mighty Mini Beef, Sweet Potato, and Apple grain free dry  
**Product Type:** Pet Food  
**Lot Number:**  
**Package Type:** BAG  
**Product Use Information:** **Description:** 1/4 cup kibble (divided into 2 meals) 1 tbsp cooked chicken BID Owner switched to Weight Control version of same diet (salmon, lentil, green bean) just a few days before visit  
**Manufacturer /Distributor Information:**  
**Purchase Location Information:**

**Animal Information:**  
**Name:** B6  
**Type Of Species:** Dog  
**Type Of Breed:** Chihuahua  
**Gender:** Female  
**Reproductive Status:** Neutered  
**Weight:** 3.72 Kilogram  
**Age:** 9 Years  
**Assessment of Prior Health:** Good  
**Number of Animals Given the Product:** 1  
**Number of Animals Reacted:** 1  
**Owner Information:** Owner Information provided: Yes  
**Contact:** Name: B6  
 Phone: B6  
 Email: B6  
**Address:** B6  
 United States  
**Healthcare Professional Information:** **Practice Name:** Tufts Cummings School of Veterinary Medicine  
**Contact:** Name: Lisa Freeman

			<b>Phone:</b> (508) 887-4523
			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	T_26346.pdf	
	<b>Description:</b>	Taurine - will send rest of records by email (too large)	
	<b>Type:</b>	Laboratory Report	



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**From:** Related PFR Event <pfrsignificantactivitycreation@fda.hhs.gov>  
**To:** Carey, Lauren; Cleary, Michael \*; HQ Pet Food Report Notification;  
B6  
**Sent:** 4/12/2019 6:44:58 PM  
**Subject:** Solid Gold Mighty Mini Beef: Lisa Freeman - EON-384905  
**Attachments:** 2065743-report.pdf; 2065743-attachments.zip

A PFR Report has been received and Related PFR Event [EON-384905] has been created in the EON System.

A "PDF" report by name "2065743-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2065743-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-384905

**ICSR #:** 2065743

**EON Title:** Related PFR Event created for Solid Gold Mighty Mini Beef Sweet Potato and Apple grain free dry; 2065743

<b>AE Date</b>	B6	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Better/Improved/Recovering
<b>Breed</b>	Chihuahua		
<b>Age</b>	9 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2065743

**Product Group:** Pet Food

**Product Name:** Solid Gold Mighty Mini Beef, Sweet Potato, and Apple grain free dry

**Description:** Has been regularly rechecked after PDA occlusion. Progressive reduction in left ventricular contractile function noted on most recent echo. Eating BEG diet. Owner changed to Royal Canin Early Cardiac diet and we will recheck in April April cardiology recheck - echo measurements improved overall - eating Royal Canin Cardiac diet, no additional medications prescribed. PDA remains occluded. Patient has purposefully lost

weight.

**Submission Type:** Followup

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Better/Improved/Recovering

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Solid Gold Mighty Mini Beef, Sweet Potato, and Apple grain free dry		

This report is linked to:

**Initial EON Event Key:** EON-380716

**Initial ICSR:** 2063119

**Sender information**

Lisa Freeman

200 Westboro Rd

North Grafton, MA 01536

USA

**Owner information**

**B6**

USA

To view this Related PFR Event, please click the link below:

**B6**

To view the Related PFR Event Report, please click the link below:

**B6**

**B6**

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LVPWs  
ESV(Teich)  
EF(Teich)  
%FS  
SV(Teich)

B6

cm  
ml  
%  
%  
ml

Doppler  
MV E Vel  
MV DecT  
MV A Vel  
MV E/A Ratio  
PV Vmax  
PV maxPG  
PR Vmax  
PR maxPG  
TR Vmax  
TR maxPG

B6

m/s  
ms  
m/s  
  
m/s  
mmHg  
m/s  
mmHg  
m/s  
mmHg

B6

**Radiology Request & Report**

B6

Species: Canine  
Multi Female (Spayed) Chihuahua  
Birthdate: B6

B6

B6

Date of request: 1/2/2019

Attending Clinician: B6 DVM (Cardiology) Student:

Date of exam: 1/2/19

Patient Location: Ward/Cage: Cardio

Weight (kg) 3.40

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

**Sedation**

- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

Examination Desired: DV and right lateral chest

Presenting Complaint and Clinical Questions you wish to answer:  
increased coughing, mild heart disease. But do not suspect CHF.

Pertinent History: PDA occluded 2016

Findings:

Conclusions:

Radiologists

Primary:

Reviewing:

Dates

Reported:

Finalized:

B6

Discharge Instructions

B6

Species: Canine

Multi Female (Spayed) Chihuahua

Birthdate:

B6

B6

B6

B6

Date: 1/2/2019

Diagnoses:

1. History of patent ductus arteriosus (PDA) occluded with Amplatz canine ductal occluder (ACDO) device, July 2016
2. Thrombus (blood clot) formation in the coronary sinus, diagnosed 10/13/2016 - stable/less discrete
3. Mild chronic mitral valvular disease
4. Reduced contractile function (either related to previous PDA or related to early cardiomyopathy potentially related to diet)
5. Mild pulmonary hypertension (increased blood pressure in the lungs, suspected to be related to primary lung disease)

Clinical Findings:

Thank you for bringing B6 to the Tufts Cardiology Service for a recheck appointment for her previously diagnosed coronary sinus thrombus and previously occluded PDA. On physical examination today, B6 was bright, alert, and slightly nervous. Her vital parameters (heart rate and respiratory rate) were all within normal limits. Her heart murmur sounded the same as her last visit. Her physical examination was otherwise unremarkable.

Today, we performed an echocardiogram (ultrasound of the heart) that showed that her Amplatz occluder remains in place and is occluding her PDA as it should be. The coronary sinus clot that was previously noted was about the same as at her last exam, which is great news! There is still mildly decreased contractile function in the left side of the heart, and there is still mild mitral valve regurgitation (small leak in her mitral valve of the left heart). B6 contractile function is somewhat worse than it has been in the past, and we discussed that certain diets have been associated with this problem. B6 was enrolled in a study about dogs with cardiomyopathy, and we submitted some blood work today through the study. We will call you with the blood work results tomorrow or the next day. One of the blood tests is called an NTproBNP test, and if her value comes back markedly elevated we may want to consider starting a medication called pimobendan.

Chest radiographs today showed that B6 trachea did not look compressed, which is good news. She had an area of mild irregularity on one view, but on other views her lungs looked clear. For now we recommend avoiding any airway

irritants such as perfume, smoke, or other aerosols. A mild amount of weight loss can also help with her breathing.

Because [ B6 ] has been doing so well on her [ B6 ] we would like to continue this medication for now.

**Monitoring at Home:**

Please continue to monitor [ B6 ] for any signs of lethargy, coughing, weakness, or breathlessness. If [ B6 ] experiences an increase in breathing rate or effort, she should be evaluated by a veterinarian.

**Diet Suggestions:**

Please gradually transition to the Royal Canin Early Cardiac food. Once you let Dr Freeman know the size of your food scoop she will provide recommendation of how much to feed. In the mean time you can just replace a few kibbles of her current food with the new food. Please email [cardiovet@tufts.edu](mailto:cardiovet@tufts.edu) with the cup size information.

**Recommended Medications:**

[ B6 ]

CONTINUE

Give 0.45mL (8.4mg) by mouth once daily.

**Recheck Visits:** A recheck visit is scheduled for Friday April 5th at 4PM. At this visit we will recheck her echocardiogram and submit some blood work. If you could bring a small stool sample to this visit, that would be great. This visit will be covered under the study. Another recheck for the study will be performed 6 months from now.

Thank you for entrusting us with [ B6 ] care. She is such a sweet girl! Please contact our Cardiology liaison at (508)-887-4696 or email us at [cardiovet@tufts.edu](mailto:cardiovet@tufts.edu) for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

---

**Prescription Refill Disclaimer:**

*For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.*

**Ordering Food:**

*Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.*

**Clinical Trials:**

*Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: [vet.tufts.edu/cvmc/clinical-studies](http://vet.tufts.edu/cvmc/clinical-studies)*

---

[ B6 ]

Owner:

[ B6 ]

Discharge Instructions

B6

Radiology Request & Report

B6

Species: Canine  
Multi Female (Spayed) Chihuahua  
Birthdate:

B6

B6

B6

Date of request: 1/2/2019

B6

Student:

Date of exam: 1/2/19

Patient Location: Ward/Cage: cardio

Weight (kg) 3.40

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

Sedation

- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

Examination Desired: Left lateral chest

Presenting Complaint and Clinical Questions you wish to answer:  
increased coughing, mild heart disease. But do not suspect CHF.

Pertinent History: PDA occluded 2016

Findings:

B6



## B6

### **Conclusions:**

- Mild to moderate generalized cardiomegaly consistent with previous PDA. There is no evidence of left atrial enlargement or cardiac decompensation.
- The changes superimposed with the right 6th intercostal space described on the DV view are most likely the result of superimposed normal structures.
- Dorsal tracheal membrane redundancy is of unknown clinical significance. A dynamic airway disease is possible. Consider airway sampling and tracheoscopy.

## B6

Reviewing

Dates

Reported: 1-2-18

Finalized:

# Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

# B6

B6

Canine

8.85 Years Old Female (Spayed) Chihuahua  
Multi

## Cardiology Appointment Report

Date: 1/2/2019

# B6

**Presenting Complaint:** Here for routine recheck. Doing well at home. Gag like cough started a few months ago, becoming more frequent. After drinking water and playing. Eating/ drinking normally. N V/D. Is on HW prev.

**General Medical History:** PDA occluded 2016

**Diet and Supplements:** Solid Gold Wee Bites. Started on lower fat grain free version yesterday.

### **Cardiovascular History:**

Prior CHF diagnosis? N

Prior heart murmur? Y

Prior ATE? N

Prior arrhythmia? N

Monitoring respiratory rate and effort at home? Y

Cough? Y gage like, like she is trying to get something out

Shortness of breath or difficulty breathing? N

Syncope or collapse? N

Sudden onset lameness? N

Exercise intolerance? N

### **Current Medications Pertinent to CV System:**

Medication

# B6

Formulation mg/ml

Administration Frequency: 0.45 ml by mouth once a day

Need refills?

**Cardiac Physical Examination:**

General PE: BAR

MM Color and CRT: pk

BCS (1-9): 7

BW (kg): 3.4

Heart rate: 120

Respiratory rate: 32

Temp (if possible):

Muscle condition:

- Normal
- Mild muscle loss
- Moderate cachexia
- Marked cachexia

**Cardiovascular Physical Exam:**

Murmur Grade:

- None
- I/VI
- II/VI to
- III/VI
- IV/VI
- V/VI
- VI/VI

Murmur location/description: systolic left apical

Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck
- 1/2 way up the neck
- Top 2/3 of the neck

Arterial pulses:

- Weak
- Fair
- Good
- Strong
- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other:

Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats
- Bradycardia
- Tachycardia

Gallop:

- Yes
- No
- Intermittent
- Pronounced
- Other:

Pulmonary assessments:

- Eupneic/mild increased RE
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds
- Mild pulmonary crackles/referred upper airway noises
- Wheezes
- Upper airway stridor

Abdominal exam:

- Normal
- Hepatomegaly
- Abdominal distension
- Mild ascites
- Marked ascites

**Problems:**

History of PDA: occluded with ACDO July 2016

History of coronary sinus thrombus October 2016  
Mild degenerative mitral valve disease  
Coughing (r/o pulmonary disease, tracheal collapse, CHF)

**Diagnostic plan:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Echocardiogram | <input type="checkbox"/> Dialysis profile                    |
| <input type="checkbox"/> Chemistry profile         | <input checked="" type="checkbox"/> Thoracic radiographs +/- |
| <input type="checkbox"/> ECG                       | <input checked="" type="checkbox"/> NT-proBNP +/-            |
| <input type="checkbox"/> Renal profile             | <input type="checkbox"/> Troponin I                          |
| <input type="checkbox"/> Blood pressure            | <input type="checkbox"/> Other tests:                        |

**Echocardiogram Findings:**

**B6**

**Mitral inflow:**

- |   |                                       |
|---|---------------------------------------|
| <input type="checkbox"/> Summated           | <input type="checkbox"/> Pseudonormal |
| <input checked="" type="checkbox"/> Normal  | <input type="checkbox"/> Restrictive  |
| <input type="checkbox"/> Delayed relaxation |                                       |

**ECG findings:**

NSR, HR

**Radiographic findings:**

**B6**

**Assessment and recommendations:**

Echocardiogram shows stable occlusion of the PDA and stable coronary sinus thrombus, but there is progressive reduction in LV contractile function and progressive dilation of the LV cavity. Patient was enrolled in the DCM study so BNP, troponin, taurine, CBC and chemistry were submitted. Recommend gradual transition from current diet to RC Early Cardiac or another well established company. Recommend a mild amount of weight loss, especially given the increased coughing and concern for possible chronic pulmonary disease. Recommend avoiding airway irritants and monitoring for triggers of cough. A course of doxycycline or a cough suppressant could be considered if cough worsens. The LV dilation is enough to warrant starting pimobendan, but in the absence of LA enlargement we would wait to start unless the BNP is markedly elevated. Continue clopidogrel. Recheck echo and blood work via the study in 3 and 6 months.

**Final Diagnosis:**

Coronary sinus thrombosis of uncertain etiology and significance (r/o LA aneurysm or other LA communication like a tear in the LA wall at MV annulus)

Occluded PDA

Mild MMVD

Mild PHT (slightly worse today compared to previous exam)

Reduced LV contractile function (r/o dietary cardiomyopathy, early primary DCM, residual LV dysfunction related to longstanding PDA)

**Heart Failure Classification Score:**

ISACHC Classification:

- Ia
- Ib
- II
- IIIa
- IIIb

ACVIM Classification:

- A
- B1
- B2
- C
- D

M-Mode

IVSd	cm
LVIDd	cm
LVPWd	cm
IVSs	cm
LVIDs	cm
LVPWs	cm
EDV(Teich)	ml
ESV(Teich)	ml
EF(Teich)	%
%FS	%
SV(Teich)	ml
Ao Diam	cm
LA Diam	cm
LA/Ao	
Max LA	cm

**B6**

M-Mode Normalized

IVSdN	{0.290 - 0.520}
LVIDdN	{1.350 - 1.730} !
LVPWdN	{0.330 - 0.530}
IVSsN	{0.430 - 0.710}
LVIDsN	{0.790 - 1.140} !
LVPWsN	{0.530 - 0.780}
Ao Diam N	{0.680 - 0.890} !
LA Diam N	{0.640 - 0.900}

2D

SA LA	cm
Ao Diam	cm

SA LA / Ao Diam  
IVSd  
LVIDd  
LVPWd  
EDV(Teich)  
IVSs  
LVIDs  
LVPWs  
ESV(Teich)  
EF(Teich)  
%FS  
SV(Teich)  
LV Major  
LV Minor  
Sphericity Index  
LVld LAX  
LVAd LAX  
LVEDV A-L LAX  
LVEDV MOD LAX  
LVls LAX  
LVAs LAX  
LVESV A-L LAX  
LVESV MOD LAX  
HR  
EF A-L LAX  
LVEF MOD LAX  
SV A-L LAX  
SV MOD LAX  
CO A-L LAX  
CO MOD LAX

Doppler

MR Vmax  
MR maxPG  
MV E Vel  
MV DecT  
MV Dec Slope  
MV A Vel  
MV E/A Ratio  
E'  
E/E'  
A'  
AV Vmax  
AV maxPG  
PV Vmax  
PV maxPG  
PR Vmax  
PR maxPG  
TR Vmax  
TR maxPG

**B6**

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**B6**

B6 Canine  
B6 years Old Female (Spayed) Chihuahua  
Multi

**Cardiology Appointment Report**

**Date: 4/5/2019**

**B6**

**Presenting Complaint:**

Recheck echocardiogram and bloodwork – part of DCM study

**General Medical History**

Hx of PDA, occluded with Amplatz ( July 2016)

Thrombus in coronary sinus (Oct 2016)

Mild chronic valvular disease

Mild pulmonary hypertension

**B6**

Very good appetite and energy level.

**Diet and Supplements:**

Exclusively on RC early cardio dry food

Heartgard and NexGard

**Cardiovascular History:**

Prior CHF diagnosis? yes

Prior heart murmur? yes

Prior ATE? no

Prior arrhythmia? none



Monitoring respiratory rate and effort at home? o has not monitored RR. Per O P is breathing normally without effort

Cough? occasionally will "cough" like she has a hairball in her throat

Shortness of breath or difficulty breathing? none

Syncope or collapse? none

Sudden onset lameness? none

Exercise intolerance? none

**Current Medications Pertinent to CV System:**

Medication **B6** ng/mL

Formulation

Administration Frequency: SID

Need refills? no

**Cardiac Physical Examination:**

General PE: alopecia on caudal dorsum,  
incision scar near OS

Heart rate: 110

MM Color and CRT: pink & moist, <2  
sec

Respiratory rate: 30

BCS (1-9): 7

Temp (if possible): 100.3

BW (kg): 3.21 kg

Muscle condition:

- Normal
- Mild muscle loss
- Moderate cachexia
- Marked cachexia

**Cardiovascular Physical Exam:**

Murmur Grade:

- None
- I/VI
- II/VI
- III/VI
- IV/VI
- V/VI
- VI/VI

Murmur location/description: Systolic left apical

Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck
- 1/2 way up the neck
- Top 2/3 of the neck

Arterial pulses:

- Weak
- Fair
- Good (right only)
- Strong
- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other:

Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats
- Bradycardia
- Tachycardia

Gallop:

- Yes
- Pronounced

- No
- Intermittent

Other:

**Pulmonary assessments:**

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds
- Pulmonary crackles - mild
- Wheezes
- Upper airway stridor

**Abdominal exam:**

- Normal
- Hepatomegaly
- Abdominal distension
- Mild ascites
- Marked ascites

**Problems:**

Chronic valvular (MV) disease  
Hx thrombus in coronary sinus  
Mild pulmonary hypertension  
Hx of PDA  
Reduced systolic function

**Diagnostic plan:**

- Echocardiogram
- Chemistry profile
- ECG
- Renal profile
- Blood pressure
- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests:

**Echocardiogram Findings:**

**B6**

**Mitral inflow:**

- Summated
- Normal
- Delayed relaxation
- Pseudonormal
- Restrictive

**ECG findings:**

Sinus arrhythmia, HR 130 bpm

**Assessment and recommendations:**

Echocardiogram reveals stable occlusion of the PDA and stable coronary sinus thrombus. Contractile function is still low-normal, but improved compared to all recent exams. LV cavity is slightly smaller than

previous exams. Recommend continuing clopidogrel and RC Early Cardiac diet. No changes are recommended. Recheck echo and study blood work in ~3 months, or sooner if clinical concerns occur.

**Final Diagnosis:**

Coronary sinus thrombosis of uncertain etiology and significance (r/o LA aneurysm or other LA communication like a tear in the LA wall at MV annulus)

Occluded PDA

Mild MMVD

Mild PHT (stable compared to previous exam)

Reduced LV contractile function (r/o dietary cardiomyopathy, early primary DCM, residual LV dysfunction related to longstanding PDA) – improved compared to previous exam

**Heart Failure Classification Score:**

ISACHC Classification:

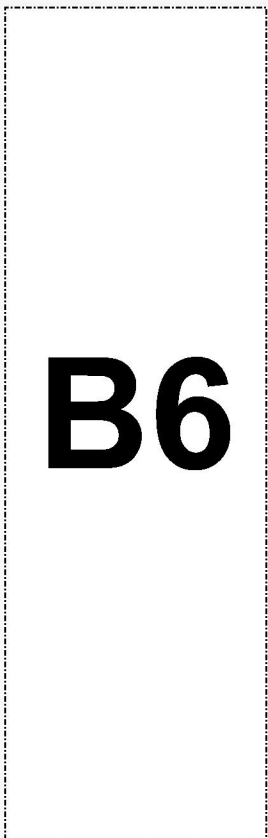
- Ia
- Ib
- II
- IIIa
- IIIb

ACVIM Classification:

- A
- B1
- B2
- C
- D

M-Mode

IVSd	cm
LVIDd	cm
LVPWd	cm
IVSs	cm
LVIDs	cm
LVPWs	cm
EDV(Teich)	ml
ESV(Teich)	ml
EF(Teich)	%
%FS	%
SV(Teich)	ml
Ao Diam	cm
LA Diam	cm
LA/Ao	
Max LA	cm



M-Mode Normalized

IVSdN	(0.290 - 0.520) !
LVIDdN	(1.350 - 1.730) !

LVPWdN  
IVSsN  
LVIDsN  
LVPWsN  
Ao Diam N  
LA Diam N

(0.330 - 0.530)  
(0.430 - 0.710)  
(0.790 - 1.140) !  
(0.530 - 0.780)  
(0.680 - 0.890) !  
(0.640 - 0.900)

2D

SA LA  
Ao Diam  
SA LA / Ao Diam  
IVSd  
LVIDd  
LVPWd  
EDV(Teich)  
IVSs  
LVIDs  
LVPWs  
ESV(Teich)  
EF(Teich)  
%FS  
SV(Teich)  
LVLd A4C  
LVEDV MOD A4C  
LVLs A4C  
LVESV MOD A4C  
LVEF MOD A4C  
SV MOD A4C

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**B6**

Doppler

MR Vmax  
MR maxPG  
MV E Vel  
MV DecT  
MV Dec Slope  
MV A Vel  
MV E/A Ratio  
E'  
E/E'  
A'  
AV Vmax  
AV maxPG  
AR Vmax  
AR maxPG  
PV Vmax  
PV maxPG  
PR Vmax  
PR maxPG  
TR Vmax

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m/s

TR maxPG

**B6**

mmHg

B6

Discharge Instructions

B6

Species: Canine

Multi Female (Spayed) Chihuahua

Birthdate: B6

B6

B6

B6

Date: 4/5/2019

Diagnoses:

1. History of patent ductus arteriosus (PDA) occluded with Amplatz canine ductal occluder (ACDO) device, July 2016
2. Thrombus (blood clot) formation in the coronary sinus, diagnosed 10/13/2016 - stable/less discrete
3. Mild chronic mitral valvular disease
4. Reduced contractile function (either related to previous PDA or related to early cardiomyopathy potentially related to diet) - improved today
5. Mild pulmonary hypertension (increased blood pressure in the lungs, suspected to be related to primary lung disease)

Clinical Findings:

Thank you for bringing B6 to the Tufts Cardiology Service for a recheck appointment. She was previously diagnosed coronary sinus thrombus and previously occluded PDA. She is very sweet! On physical examination today, B6 vital parameters (heart rate and respiratory rate) were all within normal limits. Her heart murmur sounded the same as it did at her last visit. Her physical examination was otherwise unremarkable.

Today, we performed an echocardiogram (ultrasound of the heart) that showed that her Amplatz occluder remains in place and is occluding her PDA as it should be. The coronary sinus clot that was previously noted looks to be the same as what we noted on her last exam. Her cardiac contractile function has improved since the last time we saw her. It is hard to say for certain whether this is all a result of her diet change, but regardless this is great news! There is still mild mitral valve regurgitation (small leak in her mitral valve of the left heart), and the chambers of her heart about the same size as they previously were. We also took a blood sample (to measure pro-BNP and troponin) for the DOM study she is enrolled in, and we will call you with the blood work results once the lab gets back to us.

Since B6 has been doing well on her B6 we would like to continue this medication.

**Monitoring at Home:**

Please continue to monitor **B6** for any signs of lethargy, coughing, weakness, or breathlessness. If **B6** experiences an increase in breathing rate or effort, she should be evaluated by a veterinarian.

**Diet Suggestions:**

Please continue the Royal Canin Early Cardiac food.

**Recommended Medications:**

**B6**

**Recheck Visits:** A recheck visit is scheduled for **Thursday July 18th at 4pm**. At this visit we will recheck her echocardiogram and submit some blood work. This visit will be covered under the study.

Thank you for entrusting us with **B6** care. She is such a wonderful girl! Please contact our Cardiology liaison at (508)-887-4696 or email us at [cardiovet@tufts.edu](mailto:cardiovet@tufts.edu) for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

---

**Prescription Refill Disclaimer:**

*For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.*

**Ordering Food:**

*Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.*

**Clinical Trials:**

*Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: [vet.tufts.edu/cvmc/clinical-studies](http://vet.tufts.edu/cvmc/clinical-studies)*

---

**B6**

Discharge Instructions

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 7/24/2018 11:24:13 PM  
**Subject:** Taste of the Wild Pine Forrest; [B6] - EON-360238  
**Attachments:** 2052688-report.pdf; 2052688-attachments.zip

A PFR Report has been received and PFR Event [EON-360238] has been created in the EON System.

A "PDF" report by name "2052688-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2052688-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-360238

**ICSR #:** 2052688

**EON Title:** PFR Event created for Taste of the Wild Pine Forrest Venison and Legumes; 2052688

<b>AE Date</b>	05/08/2017	<b>Number Fed/Exposed</b>	
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Better/Improved/Recovering
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	3 Years		
<b>District Involved</b>	PFR; [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2052688

**Product Group:** Pet Food

**Product Name:** Taste of the Wild Pine Forrest, Venison and Legumes

**Description:** Just before [B6] second birthday, her energy level dropped and she developed a dry cough in the mornings. On the advice of a friend, I had her blood tested for taurine because she was on a grain-free food high in legumes. The result was [B6] ml by the plasma test (normal level is 60-120 ml). I then took her to cardiologist Dr. Joshua Stern at UCD VMTH. Dr. Stern did an echocardiogram and also found the Mitral Valve Dysplasia, but did not see SAS. He found Mild to Moderate DCM. His report reads: "Moderately dilated left ventricular chamber and LV systolic dysfunction - ddx: taurine responsive DCM vs idiopathic DCM. Lv chamber has



significantly increased in the recheck interim ([redacted] **B6** previous July 2016)." He prescribed increasing the taurine and l-carnitine supplements and return for repeat echo in 3-4 months.

**Submission Type:** Initial

**Report Type:** Both

**Outcome of reaction/event at the time of last observation:** Better/Improved/Recovering

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Taste of the Wild Pine Forrest, Venison and Legumes		

**Sender information**

[redacted] **B6**

USA

To view this PFR Event, please click the link below:

[redacted] **B6**

To view the PFR Event Report, please click the link below:

[redacted] **B6**

=====  
This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

This email message is intended for the exclusive use of the recipient(s) named above. It may contain information that is protected, privileged, or confidential. Any dissemination, distribution, or copying is strictly prohibited.

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Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to [FDAREportableFoods@fda.hhs.gov](mailto:FDAREportableFoods@fda.hhs.gov) immediately.

Report Details - EON-360238		
ICSR:	2052688	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Both	
Reporting Type:	Voluntary	
Report Submission Date:	2018-07-24 19:15:00 EDT	
Reporter is the Animal Owner:	Yes	
Reported Problem:	<b>Problem Description:</b> Just before [redacted] second birthday, her energy level dropped and she developed a dry cough in the mornings. On the advice of a friend, I had her blood tested for taurine because she was on a grain-free food high in legumes. The result was <b>B6</b> ml by the plasma test (normal level is 60-120 ml). I then took her to cardiologist Dr. Joshua Stern at UCD VMTH. Dr. Stern did an echocardiogram and also found the Mitral Valve Dysplasia, but did not see SAS. He found Mild to Moderate DCM. His report reads: "Moderately dilated left ventricular chamber and LV systolic dysfunction - ddx: taurine responsive DCM vs idiopathic DCM. Lv chamber has significantly increased in the recheck interim [redacted] <b>B6</b> previous July 2016)." He prescribed increasing the taurine and l-carnitine supplements and return for repeat echo in 3-4 months.	
	<b>Date Problem Started:</b> 05/08/2017	
	<b>Concurrent Medical Problem:</b> Yes	
	<b>Pre Existing Conditions:</b> She had inherited Mitral Valve Displasia that was diagnosed by a board certified cardiologist when she was one year of age. I was told that it was mild and she should live a normal life. He also diagnosed SAS, which was later listed as equivocal.	
	<b>Outcome to Date:</b> Better/Improved/Recovering	
Product Information:	<b>Product Name:</b> Taste of the Wild Pine Forrest, Venison and Legumes	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Package Type:</b> BAG	
	<b>Package Size:</b> 28 Pound	
	<b>Purchase Date:</b> 04/01/2016	
	<b>Possess Unopened Product:</b> No	
	<b>Possess Opened Product:</b> No	
	<b>Storage Conditions:</b> In the bag it came in until it was gone.	
	<b>Product Use Information:</b>	<b>Description:</b> Kibble was fed in a stainless steel bowl with water and supplements twice a day
		<b>First Exposure Date:</b> 05/14/2016
		<b>Last Exposure Date:</b> 05/09/2017
		<b>Time Interval between Product Use and Adverse Event:</b> 1 Years
<b>Product Use Stopped After the Onset of the Adverse Event:</b> Yes		
<b>Adverse Event Abate After Product Stop:</b> Yes		
<b>Product Use:</b> No		

		<b>Started Again:</b>	
		<b>Perceived Relatedness to Adverse Event:</b>	Definitely related
		<b>Other Foods or Products Given to the Animal During This Time Period:</b>	No
	<b>Manufacturer /Distributor Information:</b>		
	<b>Purchase Location Information:</b>	<b>Name:</b>	Chewy.com
		<b>Address:</b>	1855 Griffin Road Dania Beach Florida 33004 United States
<b>Animal Information:</b>	<b>Name:</b>	<b>B6</b>	
	<b>Type Of Species:</b>	Dog	
	<b>Type Of Breed:</b>	Retriever - Golden	
	<b>Gender:</b>	Female	
	<b>Reproductive Status:</b>	Intact	
	<b>Pregnancy Status:</b>	Not Pregnant	
	<b>Lactation Status:</b>	Not Applicable	
	<b>Weight:</b>	68.5 Pound	
	<b>Age:</b>	3 Years	
	<b>Assessment of Prior Health:</b>	Good	
	<b>Number of Animals Reacted:</b>	1	
	<b>Owner Information:</b>		
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	UCD VMTH Cardiology
		<b>Contact:</b>	<b>Name:</b> Joshua Stern
			<b>Phone:</b> 1-530-752-2475
			<b>Other Phone:</b> 9259899795
		<b>Address:</b>	1 Garrod Drive Davis California 95616 United States
		<b>Type of Veterinarian:</b>	Referred veterinarian
		<b>Date First Seen:</b>	07/06/2016
		<b>Permission to Release Records to FDA:</b>	Yes
<b>Sender Information:</b>	<b>Name:</b>	<b>B6</b>	
	<b>Address:</b>	<b>B6</b>	
		United States	
	<b>Contact:</b>	<b>Phone:</b>	<b>B6</b>
		<b>Other Phone:</b>	<b>B6</b>
		<b>Email:</b>	<b>B6</b>

<b>Permission To Contact Sender:</b>	Yes
<b>Preferred Method Of Contact:</b>	Email
<b>Reported to Other Parties:</b>	Other

**Additional Documents:**

<b>Attachment:</b>	B6 echo ucd 7.6.17.pdf
<b>Description:</b>	B6 echo at UCD on 7/6/2017
<b>Type:</b>	Echocardiogram
<b>Attachment:</b>	7.7.2016 B6
<b>Description:</b>	B6 echo at 1 y/o by B6 on 7/7/2016
<b>Type:</b>	Echocardiogram
<b>Attachment:</b>	3.29.18 Dr. Stern Rept.pdf
<b>Description:</b>	B6 third and most recent Echo at UCD 3/29/18
<b>Type:</b>	Echocardiogram
<b>Attachment:</b>	11.17.17 B6 Dr. Stern UCD echo.pdf
<b>Description:</b>	B6 second echo at UCD VMTH 11/17/17
<b>Type:</b>	Echocardiogram



Discharge Instructions to Owner

Admission: 29Mar18  
Discharge:

Small Animal Outpatient

Visit#: 488CZ  
Status: Open

**B6**

Clinician: Card-Other

**B6**

Birth: **B6** Sex: F

Species: K9

Breed: GOLDEN RETRIEVER

Weight: 31.8KG

Discharge Instructions

- 1) Thank you for bringing **B6** in to the UC Davis VMTH Cardiology Service for a recheck evaluation of her taurine-deficient DCM.

**B6**

- 4) ASSESSMENT: **B6** taurine-deficiency DCM is static based on her heart chamber sizes and function. Her mitral regurgitation is evidence of her mitral valve dysplasia, which is a developmental problem that she was born with.

- 5) MEDICATIONS:

**B6**

- 7) L-carnitine: Please discontinue.  
8) MONITORING: Please continue monitoring **B6** for exercise intolerance, lethargy, coughing, and fainting episodes (syncope).  
9) RECHECK: We would like to see **B6** back in 6 months for a recheck echocardiogram.  
10) Thank you for entrusting us with **B6** care. She is a very sweet girl and she was a pleasure to work with.  
11) Please call with any questions or concerns - **B6**  
12) Cardiology Faculty: Dr. Joshua Stern  
13) Cardiology Resident: **B6**  
14) Cardiology Student: **B6**



B6

B6



Thursday, July 07, 2016

B6

B6

Thank you for your referral of B6 a B6 0 Mos., Female Retriever, Golden owned by B6 seen on Thursday, July 07, 2016.

Presenting Complaint: screening exam

History of Chief Complaint

Recent History: B6 littermate has been diagnosed with aortic stenosis. The specifics and severity of that diagnosis are unknown. B6 is a healthy dog with no reported concerns by the owner. B6 is a potential breeding dog.

Co-morbidities: none reported

Current Medications:

- 1. None reported

B6

Dimensional Measurements

Parameter	Patient Value	Normal Range	Normal (Mean)
LVIDd (mm)	B6	38 - 47	42.55
LVIDs (mm)		25 - 30	27.65
FS (%)		25-45%	n/a
LVIDdn (cm/kg)		n/a	<1.70
LVIDsn (cm/kg)		n/a	<1.20
EPSS (mm)		4 - 4	3.93
IVSd (mm)		9 - 11	9.61

LFWd (mm)	<b>B6</b>	9 - 11	9.69
LA - 2D (mm)		n/a	n/a
Ao - 2D (mm)		n/a	n/a
LA/Ao - 2D		n/a	<1.60
LA - M-mode (mm)		22 - 27	23.55
Ao - M-mode (mm)		21 - 26	24.85
LA/Ao - M-mode		n/a	<1.50

LVIDd = LV dimension diastole; LVIDs = LV dimension systole; LVIDsn = normalized LV dimension diastole; LVIDsn = normalized LV dimension systole; FS = fractional shortening; IVSd = septal thickness in diastole; LFWd = LV free wall thickness in diastole; LA = left atrium; Ao = aorta; EPSS = E-point to septal separation. **Shaded lines indicate abnormalities.**

### Doppler Parameters

Parameter	Patient Value	Normal Range	Normal (Mean)
Ao - sys (m/sec)	<b>B6</b>	n/a	<2.00
LV-Ao PG (mmHg)		n/a	<25.00
PA - sys (m/sec)		n/a	<1.5
RV-PA PG (mmHg)		n/a	<25.00
MV E-A ratio		n/a	>1.00
MR Vel - sys (m/sec)		n/a	~5.00
LV-LA PG (mmHg)		n/a	~100
TR Vel - sys		n/a	<3.00
RV-RA PG (mmHg)		n/a	<36.00

MR = mitral regurgitation; TR = tricuspid regurgitation; PA = pulmonary artery; Sys = systole; Vel = velocity; PG = pressure gradient. **Shaded lines indicate abnormalities.**

### Diagnosis

1. Congenital Mitral Dysplasia, mild
2. R/O Congenital Aortic Stenosis, equivocal

### Recommendations

**B6**

### Comments

1. This patient has very mild congenital mitral dysplasia. There are no clinical concerns and treatment is not warranted. This is typically a static lesion and progression is not expected. However, acquired changes that could potentially develop later in life may exacerbate the MR.
2. The findings potentially suggestive of aortic stenosis are subtle. Where there is a step-up in velocity the flow is laminar throughout the outflow tract and ascending aorta. PW Doppler flow velocities from the apical location are in the normal range. However, the CE Doppler from the subcostal position suggests a marginal velocity. This patient also does not have an audible heart murmur. Once again there are no clinical concerns regarding these findings and treatment is not indicated.
2. This patient should not be bred.

Please do not hesitate to call with any questions or concerns. We appreciate your confidence in Specialists and thank you for entrusting your clients and patients to our hospital.

**B6**

Sincerely,

**B6**



**B6**

Patient Name: **B6**  
Medical Rec #: **B6**  
DOB:  
Age:  
Sex: Fi  
Sonographer: Joshua A Stern DVM, PhD, Diplomate  
ACVIM (Cardiology)

Date of Exam: 11/17/2017  
Breed: Golden Retriever  
Weight: 68 lb  
BSA: 0.99 m<sup>2</sup>  
BP-sys: not obtained  
HR: 98

Diagnosis: Taurine responsive cardiomyopathy (improved since previous evaluation)

A4C Diast Syst  
LV Area  
LV Vol  
Vol Index  
Maj Axis  
LV FAC % (A4C)  
LV EF % Simpson's MOD

**B6**

2D  
LA d  
Ao s  
LA/Ao

**B6**

M-mode  
RV  
IVS  
LV  
LVPW  
LA

**B6**

Tissue Doppler: Lateral  
E'  
A'  
E/E'  
E'/A'  
Aortic Valve:  
VMax  
Mitral Valve:  
Mn Grad  
P1/2T  
MV Area

Pulmonic valve:  
Vmax

**B6**

**CLINICIAN INTERPRETATION:**

**Left Ventricle:** The LV fractional area change is normal, measured from the apical 4 chamber view.

**ECHO SUMMARY:**

1. Fundic/Retinal Examination: normal.
2. Whole blood taurine level: pending.
3. Continue supplementation - retest in 4 months as there is still ventricular chamber enlargement and low normal systolic function.
4. Left atrial size has normalized at this time suggesting clear improvement.

Joshua A Stern DVM, PhD, Diplomate ACVIM (Cardiology)

Electronically signed on 11/17/2017 on 1:04:41 PM

**From:** Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>  
**To:** Rotstein, David; Palmer, Lee Anne; Carey, Lauren; Burkholder, William  
**CC:** Norris, Anne; Hartogensis, Martine; 'Reimschuessel, Renate (Renate.Reimschuessel@fda.hhs.gov)'; Ceric, Olgica; Nemser, Sarah  
**Sent:** 6/27/2018 5:26:20 PM  
**Subject:** DCM Product [REDACTED] B5  
**Attachments:** [REDACTED]

**B5**

Based on Bill's recommendation, I [REDACTED] B5 we've been notified about, including those from Tufts, CVCA, NCSU, and OH (i.e. not necessarily received through the Safety reporting portal). [REDACTED] B5

**B5**

For the Bottom Line, see the PPT. The ppt notes will walk you through my analysis. Please let me know if you have questions.

**Jennifer L. A. Jones, DVM**

Veterinary Medical Officer  
U.S. Food & Drug Administration  
Center for Veterinary Medicine  
Office of Research  
Veterinary Laboratory Investigation and Response Network (Vet-LIRN)  
8401 Muirkirk Road, G704  
Laurel, Maryland 20708  
new tel: 240-402-5421  
fax: 301-210-4685  
e-mail: [jennifer.jones@fda.hhs.gov](mailto:jennifer.jones@fda.hhs.gov)  
Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>



**B5**

I did not:

**B5**

**B5**

**B5**

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Document properties  
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Author: Jones, Jennifer L  
Template: Normal.dotm  
Page count: 2  
Paragraph count: 132  
Line count: 179  
Word count: 662  
Character count (spaces excluded): 3098  
Character count (spaces included): 3654

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 1/1/2019 9:32:34 PM  
**Subject:** 4Health grain=free beef and potato; [B6] EON-375111  
**Attachments:** 2060740-report.pdf; 2060740-attachments.zip

A PFR Report has been received and PFR Event [EON-375111] has been created in the EON System.

A "PDF" report by name "2060740-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060740-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-375111

**ICSR #:** 2060740

**EON Title:** PFR Event created for 4Health grain=free beef and potato; 2060740

<b>AE Date</b>	12/20/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	4.5 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2060740

**Product Group:** Pet Food

**Product Name:** 4Health grain=free beef and potato

**Description:** Weight loss x 3-4 weeks Coughing and dyspnea developed - too to ER in [B6] where they did T-FAST and suspected DCM. Started on [B6] before we saw him Eating BEG diet. Taurine pending. Switched to new food. Will also try to evaluate other dog in their home eating the same diet (15 years old) Owners happy to provide additional info and have saved some of the food they've been feeding (4Health)

**Submission Type:** Initial



**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
4Health grain=free beef and potato		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-375111**

ICSR: 2060740  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-01-01 16:29:18 EST

**Reported Problem:**  
**Problem Description:** Weight loss x 3-4 weeks Coughing and dyspnea developed - too to ER in B6 B6 where they did T-FAST and suspected DCM. Started on furosemide and pimobendan before we saw him Eating BEG diet. Taurine pending. Switched to new food. Will also try to evaluate other dog in their home eating the same diet (15 years old) Owners happy to provide additional info and have saved some of the food they've been feeding (4Health)  
**Date Problem Started:** 12/20/2018  
**Concurrent Medical Problem:** No  
**Outcome to Date:** Stable

**Product Information:**  
**Product Name:** 4Health grain=free beef and potato  
**Product Type:** Pet Food  
**Lot Number:**  
**Package Type:** BAG  
**Product Use Description:** See diet history for additional info  
**Manufacturer /Distributor Information:**  
**Purchase Location Information:**

**Animal Information:**  
**Name:** B6  
**Type Of Species:** Dog  
**Type Of Breed:** Retriever - Golden  
**Gender:** Male  
**Reproductive Status:** Intact  
**Weight:** 29.2 Kilogram  
**Age:** 4.5 Years  
**Assessment of Prior Health:** Excellent  
**Number of Animals Given the Product:** 2  
**Number of Animals Reacted:** 1  
**Owner Information:** Owner Information provided: Yes  
**Contact:** Name: B6  
 Phone: B6  
 Email: B6  
**Address:** B6  
 United States  
**Healthcare Professional Information:** Practice Name: Tufts Cummings School of Veterinary Medicine  
 Contact: Name: Lisa Freeman

			<b>Phone:</b> (508) 887-4523
			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	rpt_medical_record_preview	<b>B6</b> .pdf
	<b>Description:</b>	<b>B6</b> records	
	<b>Type:</b>	Medical Records	

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6  
**Sent:** 1/15/2019 9:05:17 PM  
**Subject:** 4Health whitefish and potato dry: Lisa Freeman - EON-376448  
**Attachments:** 2061217-report.pdf; 2061217-attachments.zip

A PFR Report has been received and PFR Event [EON-376448] has been created in the EON System.

A "PDF" report by name "2061217-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2061217-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-376448

**ICSR #:** 2061217

**EON Title:** PFR Event created for 4Health whitefish and potato dry, 4Health salmon and potato adult dog food; 2061217

<b>AE Date</b>	01/03/2019	<b>Number Fed/Exposed</b>	3
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Pit Bull		
<b>Age</b>	7.5 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2061217

**Product Group:** Pet Food

**Product Name:** 4Health whitefish and potato dry, 4Health salmon and potato adult dog food

**Description:** Eating BEG diet Syncopal episodes - identified arrhythmia recently Owner changing diet and will recheck in 3 months Elevated BNF B6 taurine and troponin pending 2 other dogs in household eating same diet - they have not been screened yet

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 3

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
4Health salmon and potato adult dog food		
4Health whitefish and potato dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**  
**B6** USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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Report Details - EON-376448		
ICSR:	2061217	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2019-01-15 15:57:50 EST	
Reported Problem:	<b>Problem Description:</b> Eating BEG diet Syncopal episodes - identified arrhythmia recently Owner changing diet and will recheck in 3 months Elevated BNP [B6] taurine and troponin pending 2 other dogs in household eating same diet - they have not been screened yet	
	<b>Date Problem Started:</b> 01/03/2019	
	<b>Concurrent Medical Problem:</b> Yes	
	<b>Pre Existing Conditions:</b> Dental disease, anxiety, history of cruciate tear	
	<b>Outcome to Date:</b> Stable	
Product Information:	<b>Product Name:</b> 4Health salmon and potato adult dog food	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Product Use Information:</b> <b>Description:</b> Alternates with other product listed	
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	
	<b>Product Name:</b> 4Health whitefish and potato dry	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Product Use Information:</b> <b>Description:</b> Alternates with other listed 4Health product	
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	
	Animal Information:	<b>Name:</b> [B6]
		<b>Type Of Species:</b> Dog
<b>Type Of Breed:</b> Pit Bull		
<b>Gender:</b> Male		
<b>Reproductive Status:</b> Neutered		
<b>Weight:</b> 33.4 Kilogram		
<b>Age:</b> 7.5 Years		
<b>Assessment of Prior Health:</b> Excellent		
<b>Number of Animals Given the Product:</b> 3		
<b>Number of Animals Reacted:</b> 1		
<b>Owner Information:</b>		<b>Owner Information provided:</b> Yes
		<b>Contact:</b> <b>Name:</b> [B6]
		<b>Phone:</b> [B6]
		<b>Email:</b> [B6]

		<b>Address:</b>	<div style="border: 1px dashed black; padding: 5px; display: inline-block; font-size: 2em; font-weight: bold;">B6</div> United States	
<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine		
	<b>Contact:</b>	<b>Name:</b>	Lisa Freeman	
		<b>Phone:</b>	(508) 887-4523	
<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States			
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman		
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States		
	<b>Contact:</b>	<b>Phone:</b>	5088874523	
		<b>Email:</b>	lisa.freeman@tufts.edu	
	<b>Permission To Contact Sender:</b>	Yes		
<b>Preferred Method Of Contact:</b>	Email			
<b>Additional Documents:</b>	<b>Attachment:</b>	<div style="border: 1px dashed black; padding: 2px;">B6</div> medical_record_preview	<div style="border: 1px dashed black; padding: 2px;">B6</div>	.pdf
	<b>Description:</b>	Records		
	<b>Type:</b>	Medical Records		



---

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; **B6**  
**Sent:** 12/27/2018 3:16:35 PM  
**Subject:** Acana Free Run Poultry dry: Lisa Freeman - EON-374786  
**Attachments:** 2060599-report.pdf; 2060599-attachments.zip

A PFR Report has been received and PFR Event [EON-374786] has been created in the EON System.

A "PDF" report by name "2060599-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060599-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-374786

**ICSR #:** 2060599

**EON Title:** PFR Event created for Acana Free Run Poultry dry; 2060599

<b>AE Date</b>	08/20/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	2
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	10 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2060599

**Product Group:** Pet Food

**Product Name:** Acana Free Run Poultry dry

**Description:** Housemate was diagnosed with DCM (**B6**) - previously reported). **B6** was asymptomatic but eating same diet (Acana) so was screened 8/20/18 - reduced contractile function. Owner changed diet to Pro Plan Weight Management dry. No improvement on 12/12/18 echo. Will recheck in 3 months  
WB taurine **B6**

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 2

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Acana Free Run Poultry dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>

**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6

**Sent:** 1/14/2019 9:56:41 PM

**Subject:** Annamaet chicken and rice dry + Honest kitchen beef B6 - EON-376360

**Attachments:** 2061170-report.pdf; 2061170-attachments.zip

A PFR Report has been received and PFR Event [EON-376360] has been created in the EON System.

A "PDF" report by name "2061170-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2061170-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-376360

**ICSR #:** 2061170

**EON Title:** PFR Event created for Annamaet chicken and rice dry + Honest kitchen beef chicken or turkey; 2061170

<b>AE Date</b>	12/21/2017	<b>Number Fed/Exposed</b>	3
<b>Best By Date</b>		<b>Number Reacted</b>	3
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Worse/Declining/Deteriorating
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	<span style="border: 1px dashed black; padding: 2px;">B6</span> years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2061170

**Product Group:** Pet Food

**Product Name:** Annamaet chicken and rice dry + Honest kitchen beef, chicken, or turkey

**Description:** 2 other dogs in household affected previously Eating various BEG diets Early DCM with infrequent ventricular ectopy Have been following - owner agreed to change diet at December 2018 appointment so will follow Taurine normal

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)  
**Outcome of reaction/event at the time of last observation:** Worse/Declining/Deteriorating  
**Number of Animals Treated With Product:** 3  
**Number of Animals Reacted With Product:** 3

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Annamaet chicken and rice dry + Honest kitchen beef, chicken, or turkey		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**  
USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>

**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]

**Sent:** 1/2/2019 5:32:22 PM

**Subject:** 4Health beef and potato and 4health untamed lamb and Lentil; EON-375168 [B6]

**Attachments:** 2060761-report.pdf

A PFR Report has been received and PFR Event [EON-375168] has been created in the EON System.

A "PDF" report by name "2060761-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-375168

**ICSR #:** 2060761

**EON Title:** PFR Event created for 4Health beef and potato and 4health untamed lamb and Lentil; 2060761

<b>AE Date</b>	03/01/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	2
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Died Euthanized
<b>Breed</b>	Griffon - French Wire-haired Pointing		
<b>Age</b>	5 Years		
<b>District Involved</b>	PFR-Minneapolis DO		

**Product information**

**Individual Case Safety Report Number:** 2060761

**Product Group:** Pet Food

**Product Name:** 4Health beef and potato and 4health untamed lamb and Lentil

**Description:** Female spayed dog in excellent health developed DCM and died from it. ([B6] months old) [B6] (2 year Old Spayed female) is now showing early signs of enlarged heart and elevated proBNP. Normal range is 0-900 and her level is [B6]. We have an appointment with cardiologist at the [B6] on Feb 7th, 2019.

**Submission Type:** Initial

**Report Type:** Both

**Outcome of reaction/event at the time of last observation:** Died Euthanized

**Number of Animals Treated With Product: 2**

**Number of Animals Reacted With Product: 2**

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
4Health beef and potato and 4health untamed lamb and Lentil		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-375168**

ICSR:	2060761
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Both
Reporting Type:	Voluntary
Report Submission Date:	2019-01-02 12:27:46 EST
Reporter is the Animal Owner:	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	Female spayed dog in excellent health developed DCM and died from it. ( [ B6 ] months old) [ B6 ] 12 year Old Spayed female) is now showing early signs of enlarged heart and elevated proBNP. Normal range is 0-900 and her level is [ B6 ] We have an appointment with cardiologist at the [ B6 ] on Feb 7th, 2019.
	<b>Date Problem Started:</b>	03/01/2018
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Died Euthanized
	<b>Date of Death:</b>	[ B6 ]

<b>Product Information:</b>	<b>Product Name:</b>	4Health beef and potato and 4health untamed lamb and Lentil		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>			
	<b>Package Type:</b>	BAG		
	<b>Package Size:</b>	25 Pound		
	<b>Possess Unopened Product:</b>	No		
	<b>Possess Opened Product:</b>	No		
	<b>Storage Conditions:</b>	product stored in an plastic air tight dog food storage container		
	<b>Product Use Information:</b>	<b>Description:</b>	served twice daily 2 cups each serving.	
		<b>Time Interval between Product Use and Adverse Event:</b>	2 Years	
		<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes	
		<b>Adverse Event Abate After Product Stop:</b>	No	
		<b>Product Use Started Again:</b>	No	
		<b>Perceived Relatedness to Adverse Event:</b>	Definitely related	
		<b>Other Foods or Products Given to the Animal During This Time Period:</b>	No	
<b>Manufacturer /Distributor Information:</b>				
<b>Purchase Location Information:</b>	<b>Name:</b>	Tractor Supply		
	<b>Address:</b>	[ B6 ]		



			<b>B6</b> United States	
<b>Animal Information:</b>	<b>Name:</b>	<b>B6</b> and <b>B6</b>		
	<b>Type Of Species:</b>	Dog		
	<b>Type Of Breed:</b>	Griffon - French Wire-haired Pointing		
	<b>Gender:</b>	Female		
	<b>Reproductive Status:</b>	Neutered		
	<b>Weight:</b>	52 Pound		
	<b>Age:</b>	5 Years		
	<b>Assessment of Prior Health:</b>	Excellent		
	<b>Number of Animals Given the Product:</b>	2		
	<b>Number of Animals Reacted:</b>	2		
	<b>Owner Information:</b>			
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	<b>B6</b>	
		<b>Contact:</b>	<b>Name:</b>	<b>B6</b>
			<b>Phone:</b>	<b>B6</b>
<b>Other Phone:</b>			<b>B6</b>	
<b>Address:</b>		<b>B6</b> United States		
<b>Type of Veterinarian:</b>		Primary/regular veterinarian		
<b>Date First Seen:</b>		03/01/2018		
<b>Permission to Release Records to FDA:</b>	Yes			
<b>Sender Information:</b>	<b>Name:</b>	<b>B6</b>		
	<b>Address:</b>	<b>B6</b> United States		
	<b>Contact:</b>	<b>Phone:</b>	<b>B6</b>	
		<b>Other Phone:</b>	<b>B6</b>	
		<b>Email:</b>	<b>B6</b>	
	<b>Reporter Wants to Remain Anonymous:</b>	No		
	<b>Permission To Contact Sender:</b>	Yes		
	<b>Preferred Method Of Contact:</b>	Email		
<b>Reported to Other Parties:</b>	Store/Place of Purchase			
<b>Additional Documents:</b>				

**From:** Related PFR Event <pfrsignificantactivitycreation@fda.hhs.gov>

**To:** Carey, Lauren; Cleary, Michael \*; HQ Pet Food Report Notification;  
B6

**Sent:** 12/26/2018 11:40:53 PM

**Subject:** 4health optimal nutrition for optimal health weight management formula for dogs;  
B6 - EON-374758

**Attachments:** 2060587-report.pdf; 2060587-attachments.zip

A PFR Report has been received and Related PFR Event [EON-374758] has been created in the EON System.

A "PDF" report by name "2060587-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060587-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-374758

**ICSR #:** 2060587

**EON Title:** Related PFR Event created for 4health optimal nutrition for optimal health weight management formula for dogs, Purina ProPlan Savor Adult Shredded Blend Chicken and Rice Formula (this is one the new diet that patient was transi...; 2060587

<b>AE Date</b>	09/20/2018	<b>Number Fed/Exposed</b>	
<b>Best By Date</b>	05/31/2020	<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Better/Improved/Recovering
<b>Breed</b>	Hound - Afghan		
<b>Age</b>	6 Years		
<b>District Involved</b>	PFR; <span style="border: 1px dashed black; padding: 2px;">B6</span> DO		

**Product information**

**Individual Case Safety Report Number:** 2060587

**Product Group:** Pet Food

**Product Name:** 4health optimal nutrition for optimal health weight management formula for dogs, Purina ProPlan Savor Adult Shredded Blend Chicken and Rice Formula (this is one the new diet that patient was transitioned to after initial cardiac disease diagnosis), Purina One Smartblend Chicken and Rice Formula (this

diet gets mixed into Puirina ProPlan Savor food and has been transitioned to since the patient was initially diagnosed with cardiac disease).

**Description:** Onset of cough 9/20/18, progressed to biventricular congestive heart failure and atrial fibrillation. 12/26/18- six week follow-up: significant improvement with now normal energy, normal respirations; finicky appetite persists but is reportedly not unusual for the patient

**Submission Type:** Followup

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Better/Improved/Recovering

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Purina ProPlan Savor Adult Shredded Blend Chicken and Rice Formula (this is one the new diet that patient was transitioned to after initial cardiac disease diagnosis)	82871085 1039L09	04/30/2020
4health optimal nutrition for optimal health weight management formula for dogs	WHH0504-18 HMS	05/31/2019
Purina One Smartblend Chicken and Rice Formula (this diet gets mixed into Puirina ProPlan Savor food and has been transitioned to since the patient was initially diagnosed with cardiac disease).	83071085 1237L02	05/31/2020

This report is linked to:

**Initial EON Event Key:** EON-370883

**Initial ICSR:** 2058754

**Sender information**

**B6**

USA

**Owner information**

**B6**

USA

To view this Related PFR Event, please click the link below:

**B6**

To view the Related PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-374758**

<b>ICSR:</b>	2060587
<b>Type Of Submission:</b>	Followup
<b>Report Version:</b>	FPSR.FDA.PETF.V.V1
<b>Type Of Report:</b>	Adverse Event (a symptom, reaction or disease associated with the product)
<b>Reporting Type:</b>	Voluntary
<b>Report Submission Date:</b>	2018-12-26 18:26:22 EST
<b>Initial Report Date:</b>	11/12/2018
<b>Parent ICSR:</b>	2058754
<b>Follow-up Report to FDA Request:</b>	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	Onset of cough 9/20/18, progressed to biventricular congestive heart failure and atrial fibrillation. 12/26/18- six week follow-up: significant improvement with now normal energy, normal respirations; finicky appetite persists but is reportedly not unusual for the patient
	<b>Date Problem Started:</b>	09/20/2018
	<b>Date of Recovery:</b>	12/26/2018
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Better/Improved/Recovering

<b>Product Information:</b>	<b>Product Name:</b>	Purina One Smartblend Chicken and Rice Formula (this diet gets mixed into Purina ProPlan Savor food and has been transitioned to since the patient was initially diagnosed with cardiac disease).		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>	<b>Lot Number:</b>	83071085 1237L02	
		<b>Expiration Date:</b>	05/31/2020	
		<b>UPC:</b>	0 1780047555 6	
	<b>Package Type:</b>	BAG		
	<b>Package Size:</b>	1.81 kilogram		
	<b>Possess Opened Product:</b>	Yes		
	<b>Storage Conditions:</b>	in the original bag		
	<b>Product Use Information:</b>	<b>Description:</b>	Mixed with Purina Proplan Savor dry food	
	<b>Manufacturer /Distributor Information:</b>			
	<b>Purchase Location Information:</b>			
	<b>Product Name:</b>	Purina ProPlan Savor Adult Shredded Blend Chicken and Rice Formula (this is one the new diet that patient was transitioned to after initial cardiac disease diagnosis)		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>	<b>Lot Number:</b>	82871085 1039L09	
		<b>Expiration Date:</b>	04/30/2020	
		<b>UPC:</b>	3810013054	
	<b>Package Type:</b>	BAG		
<b>Package Size:</b>	2.72 kilogram			
<b>Possess Opened Product:</b>	Yes			
<b>Storage Conditions:</b>	Food kept in bag			
<b>Product Use Information:</b>	<b>Other Foods or Products Given to the Animal</b>	Yes		

		<b>During This Time Period:</b>	
	<b>Manufacturer /Distributor Information:</b>		
	<b>Purchase Location Information:</b>		
	<b>Product Name:</b>	4health optimal nutrition for optimal health weight management formula for dogs	
	<b>Product Type:</b>	Pet Food	
	<b>Lot Number:</b>	<b>Lot Number:</b>	WHH0504-18 HMS
		<b>Expiration Date:</b>	05/31/2019
	<b>UPC:</b>	7 49394 14888 1	
	<b>Package Type:</b>	BAG	
	<b>Package Size:</b>	3.63 kilogram	
	<b>Possess Unopened Product:</b>	No	
	<b>Possess Opened Product:</b>	Yes	
	<b>Product Use Information:</b>	<b>Description:</b>	fed exclusively since March 2018
		<b>First Exposure Date:</b>	03/05/2018
		<b>Last Exposure Date:</b>	11/11/2018
		<b>Time Interval between Product Use and Adverse Event:</b>	6 Months
		<b>Product Use Stopped After the Onset of the Adverse Event:</b>	No
		<b>Perceived Relatedness to Adverse Event:</b>	Probably related
		<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Unknown
	<b>Manufacturer /Distributor Information:</b>		
	<b>Purchase Location Information:</b>		
<b>Animal Information:</b>	<b>Name:</b>	B6	
	<b>Type Of Species:</b>	Dog	
	<b>Type Of Breed:</b>	Hound - Afghan	
	<b>Gender:</b>	Female	
	<b>Reproductive Status:</b>	Unknown	
	<b>Weight:</b>	40.6 Kilogram	
	<b>Age:</b>	6 Years	
	<b>Assessment of Prior Health:</b>	Good	
	<b>Number of Animals Reacted:</b>	1	
	<b>Owner Information:</b>	<b>Owner Information provided:</b>	Yes

		<b>Contact: Name:</b> B6	
		<b>Phone:</b> B6	
	<b>Address:</b>	B6 United States	
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6
		<b>Contact: Name:</b>	B6
		<b>Phone:</b>	B6
		<b>Email:</b>	B6
		<b>Address:</b>	B6 United States
		<b>Practice Name:</b>	B6
		<b>Contact: Name:</b>	B6
	<b>Phone:</b>	B6	
	<b>Type of Veterinarian:</b>	Referred veterinarian	
	<b>Permission to Release Records to FDA:</b>	Yes	
<b>Sender Information:</b>	<b>Name:</b>	B6	
	<b>Address:</b>	B6 United States	
	<b>Contact: Phone:</b>	B6	
	<b>Email:</b>	B6	
	<b>Permission To Contact Sender:</b>	Yes	
	<b>Preferred Method Of Contact:</b>	Email	
<b>Additional Documents:</b>	<b>Attachment:</b>	Purina Proplan Savor Chicken and Rice Formula- back of bag.jpg	
	<b>Description:</b>	photo of back of bag	
	<b>Type:</b>	Photograph	
	<b>Attachment:</b>	Purina ProPlan Savor Chicken and Rice Formula- photo of ingredients guaranteed analysis.jpg	
	<b>Description:</b>	photo of guaranteed analysis and ingredients list	
	<b>Type:</b>	Photograph	
	<b>Attachment:</b>	Purina One Smartblend Chicken and Rice Formula- photo of back of bag.jpg	
	<b>Description:</b>	Back of bag photo	
	<b>Type:</b>	Photograph	
	<b>Attachment:</b>	Purina One Smartblend Chicken and Rice Formula- photo of guaranteed analysis and ingredients.jpg	
	<b>Description:</b>	photo of guaranteed analysis/ingredient list	
	<b>Type:</b>	Photograph	
	<b>Attachment:</b>	B6 Report 12-16-18.pdf	
<b>Description:</b>	Medical Records/Report from 6 week follow-up visit following initial diagnosis of		

cardiac disease and diet change

**Type:** Medical Records



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Purina ONE SmartBlend can make.

**STRONG IMMUNE SYSTEM**

Supported by an antioxidant blend of vitamins E & A and minerals zinc & selenium

**HIGHLY DIGESTIBLE**

More nutrition goes to work inside, so you may see **small, firm stools**

**HEALTHY SKIN & COAT**

Supported by **omega-6** fatty acids, vitamins & minerals



**BRIGHT EYES**

Supported by vitamins E & A

**STRONG TEETH & HEALTHY GUMS**

Crunchy kibble and calcium helps support strong, healthy teeth and gums

**HEALTHY JOINTS**

Supported by a natural source of glucosamine

**TASTE**

Crunchy bites and tender morsels help keep him coming back meal after meal

**STRONG MUSCLES, INCLUDING A HEALTHY HEART**

Supported by high-quality sources of protein, including real chicken as the #1 ingredient

**HEALTHY ENERGY**

Supported by the natural SmartBlend® of nutrition in every bag



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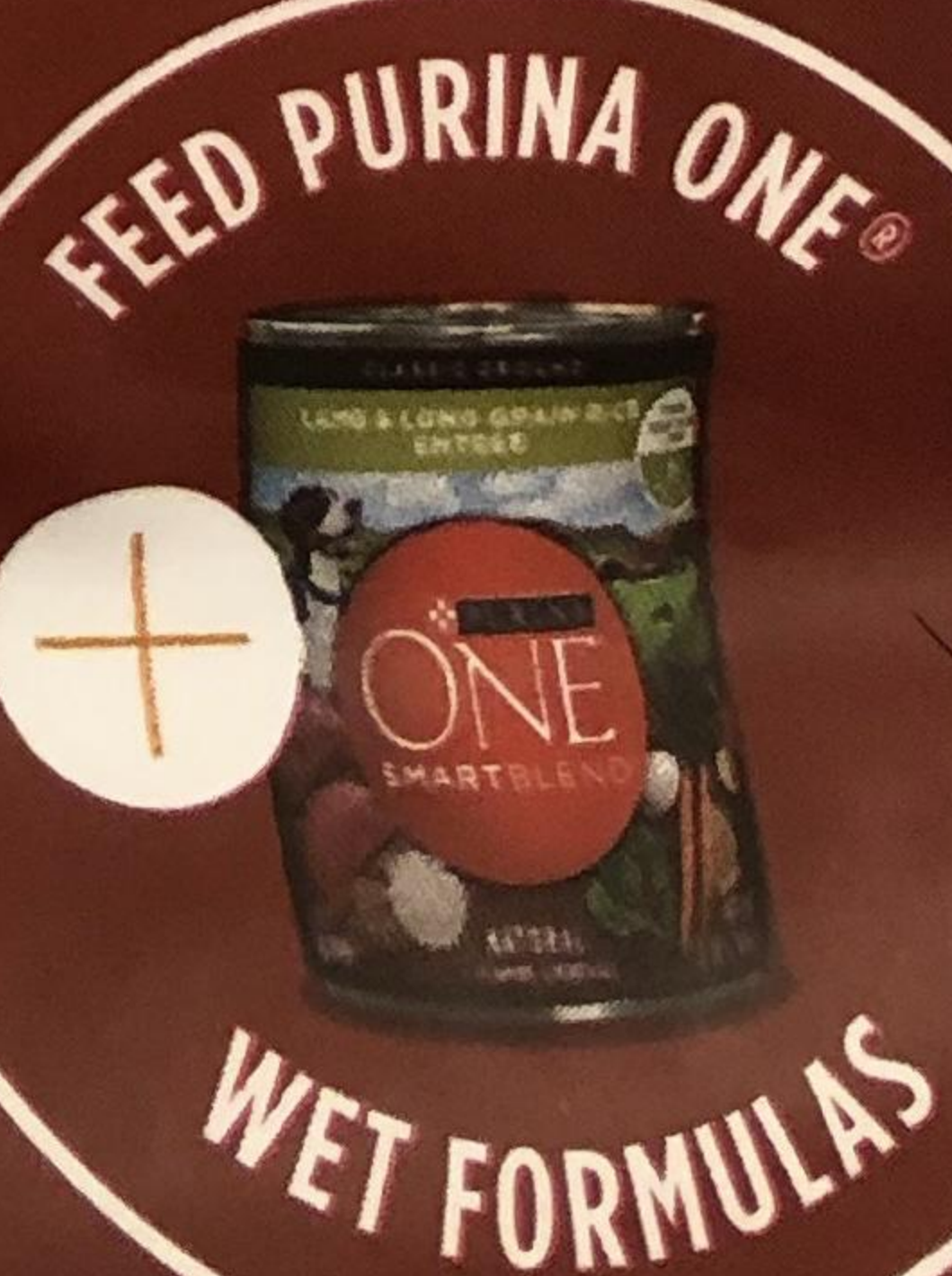
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BEST BY MAY 2020  
83071085 1237L02



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WEIGHT DIRTY  
**PURINA ONE**  
 brand **DOG FOOD**  
**SMARTBLEND®**  
**CHICKEN & RICE**  
**FORMULA**  
 4 LB/1.81 kg  
 47555

**GUARANTEED ANALYSIS:**

Crude Protein (Min)	26.0%	Phosphorus (P) (Min)	0.8%
Crude Fat (Min)	16.0%	Zinc (Zn) (Min)	150 mg/kg
Crude Fiber (Max)	3.0%	Selenium (Se) (Min)	0.35 mg/kg
Moisture (Max)	12.0%	Vitamin A (Min)	13,000 IU/kg
Linoleic Acid (Min)	1.4%	Vitamin E (Min)	250 IU/kg
Calcium (Ca) (Min)	1.0%	Glucosamine* (Min)	350 ppm
		Omega-6 Fatty Acids* (Min)	1.6%

\*Not recognized as an essential nutrient by the AAFCO Dog Food Nutrient Profiles.

**INGREDIENTS:** Chicken (source of glucosamine), rice flour, corn gluten meal, whole grain corn, chicken by-product meal (source of glucosamine), whole grain wheat, soybean meal, beef fat naturally preserved with mixed-tocopherols, glycerin, liver flavor, calcium carbonate, mono and dicalcium phosphate, salt, caramel color, dried carrots, dried peas, potassium chloride, **VITAMINS** [Vitamin E supplement, niacin (Vitamin B-3), Vitamin A supplement, calcium pantothenate (Vitamin B-5), thiamine mononitrate (Vitamin B-1), Vitamin B-12 supplement, riboflavin supplement (Vitamin B-2), pyridoxine hydrochloride (Vitamin B-6), folic acid (Vitamin B-9), menadione sodium bisulfite complex (Vitamin K), Vitamin D-3 supplement, biotin (Vitamin B-7)], **MINERALS** [zinc sulfate, ferrous sulfate, manganese sulfate, copper sulfate, calcium iodate, sodium selenite], choline chloride, L-Lysine monohydrochloride, sulfur.

Manufactured and guaranteed by: Nestlé Purina PetCare Company, St. Louis, MO 63164 USA X-4154



**every ingredient**  
 has a **purpose**

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Animal feeding tests using AAFCO procedures substantiate that Purina ONE SMARTBlend Chicken & Rice Formula provides complete and balanced nutrition for maintenance of adult dogs.

**B6**

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### ADULT SHREDDED BLEND CHICKEN & RICE FORMULA



#### GUARANTEED LIVE PROBIOTICS TO SUPPORT DIGESTIVE HEALTH

- High-quality protein, including chicken as the first ingredient
- Hard kibble combined with tender, shredded pieces for taste and texture dogs love
- Natural prebiotic fiber, sourced from wheat bran, helps promote digestive health
- Optimal levels of protein and fat help dogs maintain an ideal body condition
- Vitamin A and linoleic acid, an omega-6 fatty acid, for healthy skin and coat nourishment

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Office of Consumer Affairs  
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New Zealand: 0800 PET VIP  
(0800 738 847)



B6



**GUARANTEED ANALYSIS:**

Crude Protein (Min)	26.0%	Selenium (Se) (Min)	0.35 mg/kg
Crude Fat (Min)	16.0%	Vitamin A (Min)	15,000 IU/kg
Crude Fiber (Max)	3.0%	Vitamin E (Min)	460 IU/kg
Moisture (Max)	12.0%	Ascorbic Acid (Vitamin C)* (Min)	70 mg/kg
Linoleic Acid (Min)	1.4%	Glucosamine* (Min)	400 ppm
Calcium (Ca) (Min)	1.0%	Microorganisms	
Phosphorus (P) (Min)	0.8%	<i>Bacillus coagulans</i> * (Min)	600 million CFU/lb

\*Not recognized as an essential nutrient by the AAFCO Dog Food Nutrient Profiles.

**INGREDIENTS:** Chicken, rice flour, whole grain wheat, poultry by-product meal (source of glucosamine), soybean meal, beef tallow preserved with mixed-tocopherols, corn gluten meal, whole grain corn, fish meal (source of glucosamine), natural liver flavor, glycerin, wheat bran, mono and dicalcium phosphate, calcium carbonate, salt, dried egg product, soybean oil, potassium chloride, fish oil, **MINERALS** [zinc proteinate, manganese proteinate, ferrous sulfate, copper proteinate, calcium iodate, sodium selenite], **VITAMINS** [Vitamin E supplement, niacin (Vitamin B-3), Vitamin A supplement, calcium pantothenate (Vitamin B-5), thiamine mononitrate (Vitamin B-1), Vitamin B-12 supplement, riboflavin supplement (Vitamin B-2), pyridoxine hydrochloride (Vitamin B-6), folic acid (Vitamin B-9), Vitamin D-3 supplement, menadione sodium bisulfite complex (Vitamin K), biotin (Vitamin B-7)], choline chloride, L-ascorbyl-2-polyphosphate (Vitamin C), dried *Bacillus coagulans* fermentation product, L-Lysine monohydrochloride, garlic oil. Y445517

**Manufactured and guaranteed by: Nestlé Purina PetCare Company, St. Louis, MO 63164 USA**

Imported by: Nestlé Purina PetCare, 2500 Royal Windsor Drive, Mississauga ON L5J 1K8 CANADA

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Animal feeding tests using AAFCO procedures substantiate that Pro Plan SAVOR Shredded Blend Adult Chicken & Rice Formula provides complete and balanced nutrition for all life stages of dogs including growth of large size dogs (70 lb. or more as an adult).

**INGRÉDIENTS:** Poulet, farine de riz, blé entier, farine de sous-produits de volaille (source de glucosamine), farine de soja, suif de bœuf conservé avec un mélange de tocophérols, farine de gluten de maïs, maïs entier, farine de poisson (source de glucosamine), arôme naturel de foie, glycérine, son de blé, phosphate mono- et bicalcique, carbonate de calcium, sel, produit d'œufs en poudre, huile de soja, chlorure de potassium, huile de poisson, **MINÉRAUX** [protéinate de zinc, protéinate de manganèse, sulfate ferreux, protéinate de cuivre, iodate de calcium, sélénite de sodium], **VITAMINES** [supplément de vitamine E, niacine (vitamine B3), supplément de vitamine A, pantothénate de calcium (vitamine B5), mononitrate de thiamine (vitamine B1), supplément de vitamine B12, supplément de riboflavine (vitamine B2), chlorhydrate de pyridoxine (vitamine B6), acide folique (vitamine B9), supplément de vitamine D3, complexe de bisulfite de sodium et de ménadione (vitamine K), biotine (vitamine B7)], chlorure de choline, L-ascorbyl-2-polyphosphate (vitamine C), produit de fermentation *Bacillus coagulans* déshydraté, monochlorhydrate de L-lysine, sulfure d'allyle. Y445517

Fabriqué et garanti par: Nestlé Purina PetCare Company, St. Louis, MO 63164 USA

**B6**

Animal No: **B6**  
 Animal Wt: 40.6 kgs  
 Clinical No:  
 Record Date:  
 Date Range: 12-26-2018 -  
 Printed On: 12-26-2018  
 Consulting Doctor:

**Client Details**

Name **B6** Phone **B6**  
 Address **B6**

**Patient Details**

Name **B6** Age **B6**  
 Species Canine Sex Female  
 Breed Afghan Hound Referral **B6**

**Client Summary**

# Cardiac Evaluation Report

**Exam Date: 12-26-2018**

**Diagnosis**

- Dilated cardiomyopathy
  - Rule out: nutritional, idiopathic, hypothyroid related, other - previously on a grain-free diet
- Previous echocardiographic findings (11/12/18)
  - Mild to moderate mitral valve regurgitation
  - Moderately dilated left atrial dimensions
  - Severely dilated left ventricular dimensions with severely decreased heart muscle function
  - Moderate right heart enlargement
- Atrial fibrillation - improved rate control of 90-110 bpm today
- Bi-ventricular congestive heart failure - symptoms controlled at this time

*Concurrent Conditions:*

- Hypoalbuminemia - resolved
- Mildly elevated bilirubin on last labwork - diagnosis open
- Hypothyroidism
  - Over-supplemented on initial recheck > not yet re-assessed since dose was decreased

**Medications**

**B6**

# B6

Please note

- **Please allow 24-48 hours for CVCA to process prescription refill requests.**
- **Refill all medications indefinitely unless directed by CVCA or your primary care veterinarian.**
- **Please check all medications and dosages on your discharge report against the pharmacy labels.**

## Additional Recommendations

- Please see our website [www.cvcavets.com](http://www.cvcavets.com) for more information about **B6** dilated cardiomyopathy and heart failure.

Nutrition:

- Continue Purina One Chicken and Rice Formula, and Purina ProPlan Savor Adult Chicken and Rice formula.
- For more information about nutrition and cardiac disease in pets go to: <http://vetmed.tufts.edu/heartsmart/diet/> or <https://www.cvcavets.com/for-pet-owners/nutrition-grain-free/>

Activity:

- **B6** may continue activity as she wants and is able to do. Please allow **B6** to take more breaks and rest during activity.
- For dogs at risk for sudden death, there is an increased risk for sudden death during activity, but dogs have been noted to die suddenly at rest and with normal daily activity. We recommend allowing a level of activity that maintains the best quality of life for **B6**

At Home Monitoring:

- At high risk for symptoms from congestion (fluid in the lungs and/or abdomen) or the development/worsening of an arrhythmia (irregular heartbeat), including **difficulty breathing, lethargy, weakness, anxiety, collapse, abdominal distension, or dark or blue discoloration of the tongue or gums.**
- Please monitor **B6** breathing rate when she is sleeping to help detect early fluid developing in the lungs. **The normal breathing rate for a sleeping dog is fewer than 35 breaths per minute.** One rise and one fall of the chest is one breath. If you notice that the breathing rate is consistently higher than 35 breaths per minute, you can give additional Lasix as outlined above.
- Congestive heart failure is a life threatening condition. If symptoms do not improve within 1-2 hours with the additional Lasix, the breathing is labored, or collapse is noted, please seek emergency veterinary evaluation.

Anesthesia/Fluid/Steroid Risk:

- **B6** is at high risk for cardiac-related complications. Elective anesthesia should be avoided.
- If anesthesia is emergent, consider the following recommendations: no benazepril for 24 hours prior to anesthesia, thoracic radiographs prior to induction, judicious use of IV fluids (1-3 ml/kg/hr, or as clinically indicated), caution with drugs with profound effects on heart rate and blood pressure (i.e. dexmedetomidine, ketamine, telazol, acepromazine, or atropine [unless indicated by bradycardia]), and careful monitoring of heart rate and rhythm, blood pressure, and oxygen status during the procedure. If a pressor is indicated, consider a CRI of dobutamine starting at 5 ug/kg/min and titrated to maintain a systolic blood pressure >90-100 mmHg. Monitor closely for several hours upon recovery and consider repeat thoracic radiographs if there are any concerns. There is risk with any anesthetic event. If arrhythmic, ECG monitoring should continue until **B6** is fully recovered and awake. For additional recommendations, strongly consider consultation with an anesthesiologist.
- Caution with intravenous or subcutaneous fluid therapy and steroid use. **B6** is at a high risk for secondary fluid overload. If fluids are needed, they should be given conservatively and the breathing carefully monitored as outlined

above. Nasoesophageal fluids may be better tolerated than parenteral fluids. Steroids should only be given if necessary and at the lowest effective dosage while monitoring the breathing carefully. Long-acting steroids, such as Depo-Medrol, should be avoided.

## Reevaluation

- Please recheck with [B6] in 4-6 weeks for a follow up physical exam and recheck [B6]
  - We have submitted a blood chemistry today. *If the cardiac medications need to be adjusted based on today's blood work results, we may recommend additional follow-up blood chemistries, but we will call you once we have that information.*
- Please recheck with **CVCA in ~5 months** for a follow up physical exam, echocardiogram, and last collection of samples for the FDA study (blood for amino acid testing [whole blood and plasma], urine, and feces (collected and frozen within 48hrs of visit). The cost of the echocardiogram, examination, and specific samples that will be sent for the DCM study will be covered by the FDA.
  - Any additional testing (ECG, other blood work not utilized in the study, etc.) will be charged to you directly.
  - Unless otherwise notified, don't worry about trying to schedule the appointment 3-5 hours after [B6] has a "normal meal" since she is an eater that likes to graze. Her initial and 6 week follow-up appointments had samples that were taken > 20 hours after her last full meal. Ideally, try to make sure that she has not had a "large" meal within the 3-5 hours prior to her next appointment.
  - Please contact us or schedule an earlier appointment if [B6] has any problems or symptoms indicative of worsening heart disease or if recommended by [B6]

We thank you for trusting in CVCA to care for [B6] today. Please feel free to call us with any questions or concerns.

Sincerely,

[B6] VMD, DACVIM (Cardiology)

Team Leader: [B6] LVT

[B6] Support Staff: [B6]

## Primary Care Summaries

### Visit Summary

**History:** [B6] is presenting for her first recheck exam + ECG (per FDA study requirements) after initial diagnosis of DCM and CHF in mid-November; [B6]

[B6]

A chemistry showed normal renal values and [B6] was also added at that time. She was also switched from a grain free diet (4 Health Grain Free) to a mix of Purina One and Purina ProPlan Chicken and Rice formulas. Since starting all meds and supplements she is much improved w/normal RR/RE, great energy level, improved abdominal distension. She continues to have a grazer appetite (never really eats full meals). No v/d reported.

*Initial presentina history Nov 2018:* Cough first noted 9/20 after boarding for several days. Did not improve and subsequently started on [B6] and cough tabs with minimal improvement. Yesterday was listless and anorexic and taken to [B6] C and diagnosed with cardiomegaly, ascites, and suspected CHF; 1.6L removed via abdominocentesis, given lasix injection and cardiology consult recommended. Diet changed in March to a grain free diet. No V/D/S reported. O reports PU/PD over the past two weeks.

**Diet:** Purina One and Purina ProPlan - Both Chicken /Rice based diets

[B6]

**Referral Diagnostics:**

- Most recent labwork (11/27/18):

**B6**

**CVCA Diagnostics and/or procedures:**

- Diagnostic ECG: Atrial fibrillation with controlled response rate (90-110 bpm); no ventricular ectopy noted
- Blood chemistry - pending

**Echocardiographic Findings**

No echocardiogram performed today

**B6**

**Comments**

**B6**

Thank you for sending **B6** to see us with **B6** for her recheck today. Fortunately, **B6** has been clinically doing very well with improved atrial fibrillation rate on ECG, clear lung sounds, and no evidence of abdominal effusion or clinical heart failure noted on examination today. We pulled samples for submission to the FDA today as part of a continuing study looking at DCM suspected to be secondary to grain-free diets in dogs.

**B6**

**B6**

the current dosages, and plan to reassess her echocardiogram in May. We hope that she will continue to do well and look forward the results of your follow-up reports in the interim.

We appreciate your continued referrals and the trust you place in CVCA to co-manage your cardiac patients. We look forward to working with you on this case and others. In an effort to continue to improve CVCA's service to both you and your clients, please visit our website at [www.cvcavets.com](http://www.cvcavets.com) and complete our online referring veterinarian survey.

Sincerely,

**B6**

VMD, DACVIM (Cardiology)



**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 12/27/2018 3:16:35 PM  
**Subject:** Acana Free Run Poultry dry: Lisa Freeman - EON-374786  
**Attachments:** 2060599-report.pdf; 2060599-attachments.zip

A PFR Report has been received and PFR Event [EON-374786] has been created in the EON System.

A "PDF" report by name "2060599-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060599-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-374786

**ICSR #:** 2060599

**EON Title:** PFR Event created for Acana Free Run Poultry dry; 2060599

<b>AE Date</b>	08/20/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	2
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	10 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2060599

**Product Group:** Pet Food

**Product Name:** Acana Free Run Poultry dry

**Description:** Housemate was diagnosed with DCM ([B6] - previously reported). [B6] was asymptomatic but eating same diet (Acana) so was screened 8/20/18 - reduced contractile function. Owner changed diet to Pro Plan Weight Management dry. No improvement on 12/12/18 echo. Will recheck in 3 months  
 WB taurin [B6]

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 2

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Acana Free Run Poultry dry		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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Report Details - EON-374786		
ICSR:	2060599	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2018-12-27 10:09:22 EST	
Reported Problem:	<b>Problem Description:</b> Housemate was diagnosed with DCM ( [ B6 ] - previously reported). [ B6 ] was asymptomatic but eating same diet (Acana) so was screened 8/20/18 - reduced contractile function. Owner changed diet to Pro Plan Weight Management dry. No improvement on 12/12/18 echo. Will recheck in 3 months WB taurin [ B6 ]	
	<b>Date Problem Started:</b> 08/20/2018	
	<b>Concurrent Medical Problem:</b> Yes	
	<b>Pre Existing Conditions:</b> Hypothyroidism, incontinence, history of UTIs/crystalluria	
	<b>Outcome to Date:</b> Stable	
Product Information:	<b>Product Name:</b> Acana Free Run Poultry dry	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Package Type:</b> BAG	
	<b>Product Use Information:</b> <b>Description:</b> Fed since approximately 9/2016 (see diet history form) Changed to Pro Plan Weight Management Aug 2018	
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	
Animal Information:	<b>Name:</b> [ B6 ]	
	<b>Type Of Species:</b> Dog	
	<b>Type Of Breed:</b> Doberman Pinscher	
	<b>Gender:</b> Female	
	<b>Reproductive Status:</b> Neutered	
	<b>Weight:</b> 38.1 Kilogram	
	<b>Age:</b> 10 Years	
	<b>Assessment of Prior Health:</b> Excellent	
	<b>Number of Animals Given the Product:</b> 2	
	<b>Number of Animals Reacted:</b> 2	
	<b>Owner Information:</b>	<b>Owner Information provided:</b> Yes
		<b>Contact:</b> <b>Name:</b> [ B6 ]
		<b>Phone:</b> [ B6 ]
		<b>Email:</b> [ B6 ]
		<b>Address:</b> [ B6 ] United States
<b>Healthcare Professional Information:</b>	<b>Practice Name:</b> Tufts Cummings School of Veterinary Medicine	
	<b>Contact:</b> <b>Name:</b> Lisa Freeman	

			<b>Phone:</b> (508) 887-4523
			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	<b>B6</b>	medical records.pdf
	<b>Description:</b>	Medical records	
	<b>Type:</b>	Medical Records	

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 1/12/2019 10:36:20 AM  
**Subject:** ACANA Lamb and Apple Singles Formula; [B6] EON-376195  
**Attachments:** 2061133-report.pdf

A PFR Report has been received and PFR Event [EON-376195] has been created in the EON System.

A "PDF" report by name "2061133-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-376195

**ICSR #:** 2061133

**EON Title:** PFR Event created for ACANA Lamb and Apple Singles Formula; 2061133

<b>AE Date</b>	10/22/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	2
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Unknown
<b>Breed</b>	Pit Bull		
<b>Age</b>	11 Years		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2061133

**Product Group:** Pet Food

**Product Name:** ACANA Lamb and Apple Singles Formula

**Description:** Fed our dog [B6] ACANA lamb and apple. Our dog presented with a hacking cough, eventually very quickly became lethargic and refused to eat. Took her to the ER and she was diagnosed with heart failure, she stayed in the ICU for three days and was diagnosed by her cardiologist there with nutritional cardiomyopathy. She has since been removed from the food, on medications, and supplements and has responded well. She still has severe damage to her heart and it is severely enlarged. Her cardiologist attributes this to the dog food that she was eating and she had no health problems before hand and it was late onset at the age of 11 to be diagnosed with DCM.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Unknown

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 2

Product Name	Lot Number or ID	Best By Date
ACANA Lamb and Apple Singles Formula		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-376195**

ICSR:	2061133
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-01-12 05:33:11 EST
Reporter is the Animal Owner:	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	Fed our dog <b>B6</b> ACANA lamb and apple. Our dog presented with a hacking cough, eventually very quickly became lethargic and refused to eat. Took her to the ER and she was diagnosed with heart failure, she stayed in the ICU for three days and was diagnosed by her cardiologist there with nutritional cardiomyopathy. She has since been removed from the food, on medications, and supplements and has responded well. She still has severe damage to her heart and it is severely enlarged. Her cardiologist attributes this to the dog food that she was eating and she had no health problems before hand and it was late onset at the age of 11 to be diagnosed with DCM.
	<b>Date Problem Started:</b>	10/22/2018
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Unknown

<b>Product Information:</b>	<b>Product Name:</b>	ACANA Lamb and Apple Singles Formula	
	<b>Product Type:</b>	Pet Food	
	<b>Lot Number:</b>		
	<b>Package Type:</b>	BAG	
	<b>Package Size:</b>	25 Pound	
	<b>Purchase Date:</b>	10/01/2018	
	<b>Number Purchased:</b>	1	
	<b>Possess Unopened Product:</b>	No	
	<b>Possess Opened Product:</b>	Yes	
	<b>Storage Conditions:</b>	Stored in the bag with a clip to seal it shut.	
	<b>Product Use Information:</b>	<b>Description:</b>	Fed <b>B6</b> two cups in the am and two cups in the pm daily
		<b>First Exposure Date:</b>	10/01/2018
		<b>Last Exposure Date:</b>	11/04/2018
<b>Time Interval between Product Use and Adverse Event:</b>		1 Years	
<b>Product Use Stopped After the Onset of the Adverse Event:</b>		Yes	
<b>Adverse Event Abate After Product Stop:</b>		Unknown	
<b>Product Use Started Again:</b>		No	
<b>Perceived Relatedness to Adverse Event:</b>		Definitely related	
<b>Other Foods or</b>	No		

		Products Given to the Animal During This Time Period:	
	Manufacturer /Distributor Information:		
	Purchase Location Information:	Name:	B6
		Address:	B6 United States
Animal Information:	Name:	B6	Pitbull Terrier Mix
	Type Of Species:	Dog	
	Type Of Breed:	Pit Bull	
	Gender:	Female	
	Reproductive Status:	Neutered	
	Weight:	52 Pound	
	Age:	11 Years	
	Assessment of Prior Health:	Good	
	Number of Animals Given the Product:	2	
	Number of Animals Reacted:	2	
	Owner Information:		
	Healthcare Professional Information:	Practice Name:	B6
		Contact: Name:	B6
		Phone:	B6
		Address:	B6 United States
		Type of Veterinarian:	Referred veterinarian
		Date First Seen:	11/04/2018
		Permission to Release Records to FDA:	Yes
Sender Information:	Name:	B6	
	Address:	B6 United States	
	Contact: Phone:	B6	
	Email:	B6	
	Reporter Wants to Remain Anonymous:	No	
	Permission To Contact Sender:	Yes	
	Preferred Method Of Contact:	Phone	
	Reported to Other	Other	



Parties: Manufacturer

Additional Documents:

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; **B6**  
**Sent:** 1/2/2019 8:32:33 PM  
**Subject:** Arcana lamb and apple - grain free: **B6** - EON-375208  
**Attachments:** 2060775-report.pdf

A PFR Report has been received and PFR Event [EON-375208] has been created in the EON System.

A "PDF" report by name "2060775-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-375208

**ICSR #:** 2060775

**EON Title:** PFR Event created for Arcana lamb and apple - grain free; 2060775

<b>AE Date</b>	<b>B6</b>	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Died Euthanized
<b>Breed</b>	Weimaraner		
<b>Age</b>	8 Years		
<b>District Involved</b>	PFR <b>B6</b> DO		

**Product information**

**Individual Case Safety Report Number:** 2060775

**Product Group:** Pet Food

**Product Name:** Arcana lamb and apple - grain free

**Description:** Congestive heart failure, hypotension/cardiogenic shock, thrombocytopenia,

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Died Euthanized

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Arcana lamb and apple - grain free		

**Sender information**

**B6**

USA

**Owner information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-375208**

ICSR: 2060775  
Type Of Submission: Initial  
Report Version: FPSR.FDA.PETF.V.V1  
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
Reporting Type: Voluntary  
Report Submission Date: 2019-01-02 15:28:26 EST

**Reported Problem:**  
**Problem Description:** Congestive heart failure, hypotension/cardiogenic shock, thrombocytopenia,  
**Date Problem Started:** B6  
**Concurrent Medical Problem:** Yes  
**Pre Existing Conditions:** Hydrocodone/acetaminophen, hydrocodone/homeatropine, prednisone, phenobarbitol  
**Outcome to Date:** Died Euthanized  
**Date of Death:** B6

**Product Information:**  
**Product Name:** Arcana lamb and apple - grain free  
**Product Type:** Pet Food  
**Lot Number:**  
**Possess Unopened Product:** Unknown  
**Possess Opened Product:** Unknown  
**Product Use Information:**  
**Description:** Fed as primary diet for years  
**Product Use Stopped After the Onset of the Adverse Event:** No  
**Manufacturer /Distributor Information:**  
**Purchase Location Information:**

**Animal Information:**  
**Name:** B6  
**Type Of Species:** Dog  
**Type Of Breed:** Weimaraner  
**Gender:** Male  
**Reproductive Status:** Neutered  
**Age:** 8 Years  
**Assessment of Prior Health:** Unknown  
**Number of Animals Given the Product:** 1  
**Number of Animals Reacted:** 1  
**Owner Information:**  
**Owner Information provided:** Yes  
**Contact:**  
**Name:** B6  
**Phone:** B6  
**Address:**  
B6  
United States

	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	<b>B6</b>		
<b>Sender Information:</b>		<b>Name:</b>	<b>B6</b>		
		<b>Address:</b>	<b>B6</b>		
		United States			
		<b>Contact:</b>	<b>Phone:</b>	<b>B6</b>	
		<b>Other Phone:</b>	<b>B6</b>		
<b>Email:</b>	<b>B6</b>				
<b>Permission To Contact Sender:</b>	Yes				
<b>Preferred Method Of Contact:</b>	Email				
<b>Additional Documents:</b>					

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>

**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]

**Sent:** 1/25/2019 2:12:21 PM

**Subject:** BLUE BUFFALO GRAIN FREE LAMB AND POTATO: [B6] - EON-377465

**Attachments:** 2061751-report.pdf; 2061751-attachments.zip

A PFR Report has been received and PFR Event [EON-377465] has been created in the EON System.

A "PDF" report by name "2061751-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2061751-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-377465

**ICSR #:** 2061751

**EON Title:** PFR Event created for BLUE BUFFALO GRAIN FREE LAMB AND POTATO; 2061751

<b>AE Date</b>	[B6]	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Died Other
<b>Breed</b>	Retriever (unspecified)		
<b>Age</b>	5 Years		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2061751

**Product Group:** Pet Food

**Product Name:** BLUE BUFFALO GRAIN FREE LAMB AND POTATO

**Description:** [B6]

[B6] Referring Hospital: [B6]

[B6] TIME: Patient: [B6] 5 year, male, English Lab Re: Client: [B6] Chief

**Complaint/Clinical History:** [B6] was referred for a suspected tracheal mass. The owner reports that his

appetite has been off for the past week. He is still eating but eating slowly and only wants people food. No vomiting/diarrhea Last night the owner noted increased respiratory noise to his breathing and his cheeks were puffing out. He has been coughing some the past 24hours only. He ate 1 cup of food this morning He is on a limited ingredient, grain free diet( blue buffalo lamb/potato) for the past 2-3 years. **B6**

**B6**

seem weak. He has large thyroid cartilages in his larynx but it is bilaterally symmetrical and is nonpainful. No stridor Diagnostics: RV ran CBC, profile today- all wnl RV sent two upper cervical xrays 3 view chest- marked cardiac enlargement with severe pulmonary infiltrate, no effusion 2 view abdomen- stomach empty no ascites, no masses, no significant findings FAST SCAN US of thorax- dilated chambers with very poor contractility, no pericardial effusion seen abdomen- no ascites noted Laboratory: Treatment: I called owner and advised that **B6** is in CHF and likely has DCM. Discussed treatment for CHF. Owner wants to proceed. Gave owner

**B6**

**B6** Continued CPR and advised owner of the situation. Owner elected to stop CPR time of death **B6** Diagnosis: Fulminating Congestive heart failure. Suspect DCM Thank you very much for the referral, if you have any questions regarding **B6** or any other case, please do not hesitate to call me. **B6** DVM **B6** DVM, **B6**

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Died Other

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
BLUE BUFFALO GRAIN FREE LAMB AND POTATO		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-377465**

ICSR: 2061751  
Type Of Submission: Initial  
Report Version: FPSR.FDA.PETF.V.V1  
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
Reporting Type: Voluntary  
Report Submission Date: 2019-01-25 09:02:33 EST  
Reporter is the Animal Owner: Yes

**Reported Problem:**

**Problem Description:**

[Redacted] B6 [Redacted]  
[Redacted] B6 [Redacted]  
Referring Hospital: [Redacted] B6 [Redacted]  
[Redacted] B6 Examination Date: [Redacted] B6 TIME: Patient [Redacted] B6  
Boufford 5 year, male, English Lab Re: Client: [Redacted] B6 [Redacted]  
[Redacted] B6 Chief Complaint/Clinical History: [Redacted] B6 was referred for a suspected tracheal mass. The owner reports that his appetite has been off for the past week. He is still eating but eating slowly and only wants people food. No vomiting/diarrhea Last night the owner noted increased respiratory noise to his breathing and his cheeks were puffing out. He has been coughing some the past 24hours only. He ate 1 cup of food this morning He is on a limited ingredient, grain free diet( blue buffalo lamb/potato) for the past 2-3

[Redacted] B6 [Redacted]

[Redacted] B6 seem weak. He has large thyroid cartilages in his larynx but it is bilaterally symmetrical and is nonpainful. No stridor I)agnostics: RV ran CBC, profile today- all wnl RV sent two upper cervical xrays 3 view chest- marked cardiac enlargement with severe pulmonary infiltrate, no effusion 2 view abdomen- stomach empty no ascites, no masses, no significant findings FAST SCAN US of thorax- dilated chambers with very poor contractility, no pericardial effusion seen abdomen- no ascites noted Laboratory: Treatment: I called owner and advised that [Redacted] B6 is in CHF and likely has DCM. Discussed treatment for CHF. Owner wants to proceed. Gave owner [Redacted] B6 [Redacted] er,

[Redacted] B6 [Redacted]

[Redacted] B6 [Redacted] Continued CPR and advised owner of the situation. Owner elected to stop CPR time of death: [Redacted] B6  
Diagnosis: Fulminating Congestive heart failure. Suspect DCM Thank you very much for the referral, if you have any questions regarding [Redacted] B6 or any other case, please do not hesitate to call me. [Redacted] B6 DVM [Redacted] B6  
DVM, [Redacted] B6 [Redacted]

**Date Problem Started:** [Redacted] B6 [Redacted]  
**Concurrent Medical Problem:** No  
**Outcome to Date:** Died Other  
**Date of Death:** [Redacted] B6 [Redacted]

**Product Information:**

**Product Name:** BLUE BUFFALO GRAIN FREE LAMB AND POTATO  
**Product Type:** Pet Food  
**Lot Number:**  
**Package Type:** BAG  
**Package Size:** 40 Pound  
**Purchase Date:** 10/31/2015  
**Number Purchased:** 1

	<b>Possess Unopened Product:</b>	No
	<b>Possess Opened Product:</b>	No
	<b>Storage Conditions:</b>	IN BAG
	<b>Product Use Information:</b>	<b>Description:</b> DOG FOOD GIVEN EACH DAY FOR 3 YEARS
		<b>First Exposure Date:</b> 11/01/2015
		<b>Last Exposure Date:</b> B6
		<b>Time Interval between Product Use and Adverse Event:</b> 3 Years
		<b>Product Use Stopped After the Onset of the Adverse Event:</b> Yes
		<b>Adverse Event Abate After Product Stop:</b> Not Applicable
		<b>Product Use Started Again:</b> Unknown
		<b>Perceived Relatedness to Adverse Event:</b> Definitely related
		<b>Other Foods or Products Given to the Animal During This Time Period:</b> No
	<b>Manufacturer /Distributor Information:</b>	
	<b>Purchase Location Information:</b>	<b>Name:</b> CHEWY
		<b>Address:</b> United States
<b>Animal Information:</b>	<b>Name:</b>	B6
	<b>Type Of Species:</b>	Dog
	<b>Type Of Breed:</b>	Retriever (unspecified)
	<b>Gender:</b>	Male
	<b>Reproductive Status:</b>	Neutered
	<b>Weight:</b>	87 Pound
	<b>Age:</b>	5 Years
	<b>Assessment of Prior Health:</b>	Excellent
	<b>Number of Animals Given the Product:</b>	2
	<b>Number of Animals Reacted:</b>	1
	<b>Owner Information:</b>	
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b> B6
		<b>Contact:</b>
		<b>Name:</b> B6
		<b>Phone:</b> B6
		<b>Other Phone:</b> B6
	<b>Email:</b> B6	
	<b>Address:</b>	B6

			<b>B6</b> United States	
		<b>Type of Veterinarian:</b>	Referred veterinarian	
		<b>Date First Seen:</b>	<b>B6</b>	
		<b>Permission to Release Records to FDA:</b>	Yes	
<b>Sender Information:</b>	<b>Name:</b>	<b>B6</b>		
	<b>Address:</b>	<b>B6</b> United States		
	<b>Contact:</b>	<b>Phone:</b>	<b>B6</b>	
		<b>Other Phone:</b>	<b>B6</b>	
		<b>Email:</b>	<b>B6</b>	
	<b>Permission To Contact Sender:</b>	Yes		
	<b>Preferred Method Of Contact:</b>	Email		
<b>Reported to Other Parties:</b>	Other Manufacturer Store/Place of Purchase			
<b>Additional Documents:</b>	<b>Attachment:</b>	OVRs REPORT.pdf		
	<b>Description:</b>	OVRs REPORT of diagnosis and treatment of <b>B6</b>		
	<b>Type:</b>	Letter		

B6

Referring Hospital:

B6

Examination Date:

B6

TIME: Patient:

B6

5 year, male, English Lab

Re: Client:

B6

B6

**Chief Complaint/Clinical History:**

B6 was referred for a suspected tracheal mass. The owner reports that his appetite has been off for the past week. He is still eating but eating slowly and only wants people food. No vomiting/diarrhea  
Last night the owner noted increased respiratory noise to his breathing and his cheeks were puffing out. He has been coughing some the past 24hours only. He ate 1 cup of food this morning  
He is on a limited ingredient, grain free diet( blue buffalo lamb/potato) for the past 2-3 years.

B6

meds: none

B6

**Laboratory:**

**Treatment:**

I called owner and advised that B6 is in CHF and likely has DCM. Discussed treatment for CHF. Owner wants to proceed. Gave owner estimate for 48hrs

B6

**B6**

**B6**

**Diagnosis:**

Fulminating Congestive heart failure.  
Suspect DCM

Thank you very much for the referral, if you have any questions regarding **B6** or any other case, please do not hesitate to call me.

**B6** DVM

**B6** DVM, **B6**

**B6**

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 12/19/2018 10:28:21 PM  
**Subject:** BLUE Wilderness with Chicken for Adult Dogs: [B6]  
EON-374327  
**Attachments:** 2060407-report.pdf

A PFR Report has been received and PFR Event [EON-374327] has been created in the EON System.

A "PDF" report by name "2060407-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-374327

**ICSR #:** 2060407

**EON Title:** PFR Event created for BLUE Wilderness with Chicken for Adult Dogs; 2060407

<b>AE Date</b>	11/24/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Worse/Declining/Deteriorating
<b>Breed</b>	American Pit Bull Terrier		
<b>Age</b>	6 Years		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2060407

**Product Group:** Pet Food

**Product Name:** BLUE Wilderness with Chicken for Adult Dogs

**Description:** [B6] began acting strange (lathargic, lack of appetite, breathing hard) since around thanksgiving. His primary vet - chicago pet clinic, ran multiple tests and did an xray- 2 visits from [B6] left him stumped. We were referred to an internal specialist for an ultrasound who determined there is fluid build up, an enlarged right side of the heart, and low function of the heart. [B6] has been in our family since he was a pup and has never had any significant medical issues until this event. He has also exclusively been fed grain free blue buffalo (call of the wild) dog food through out his life. The internal specialist believes [B6] has CDM, and that we need to see a cardiologist immediately. [B6] has already been taken off his grain free diet and now we

anxiously wait to see a cardiologist.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Worse/Declining/Deteriorating

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
BLUE Wilderness with Chicken for Adult Dogs		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-374327**

ICSR:	2060407
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2018-12-19 17:20:05 EST
Reporter is the Animal Owner:	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	<b>B6</b> began acting strange (lathargic, lack of appetite, breathing hard) since around thanksgiving. His primary vet - chicago pet clinic, ran multiple tests and did an xray- 2 visits from: <b>B6</b> left him stumped. We were referred to an internal specialist for an ultrasound who determined there is fluid build up, an enlarged right side of the heart, and low function of the heart. <b>B6</b> has been in our family since he was a pup and has never had any significant medical issues until this event. He has also exclusively been fed grain free blue buffalo (call of the wild) dog food through out his life. The internal specialist believes: <b>B6</b> has CDM, and that we need to see a cardiologist immediately. <b>B6</b> has already been taken off his grain free diet and now we anxiously wait to see a cardiologist.
	<b>Date Problem Started:</b>	11/24/2018
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Worse/Declining/Deteriorating

<b>Product Information:</b>	<b>Product Name:</b>	BLUE Wilderness with Chicken for Adult Dogs		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>			
	<b>Package Type:</b>	BAG		
	<b>Purchase Date:</b>	11/06/2018		
	<b>Number Purchased:</b>	1		
	<b>Possess Unopened Product:</b>	No		
	<b>Possess Opened Product:</b>	No		
	<b>Storage Conditions:</b>	Stored in pet food bin with lid closed.		
	<b>Product Use Information:</b>	<b>Description:</b>	Purchased through amazon. Stored in closed pet food bin, 1.5 cups given at meal time.	
		<b>First Exposure Date:</b>	11/07/2018	
		<b>Last Exposure Date:</b>	12/15/2018	
		<b>Time Interval between Product Use and Adverse Event:</b>	6 Years	
<b>Product Use Stopped After the Onset of the Adverse Event:</b>		Yes		
<b>Adverse Event Abate After Product Stop:</b>		Unknown		
<b>Product Use Started Again:</b>		No		
<b>Perceived Relatedness to Adverse Event:</b>		Definitely related		
<b>Manufacturer:</b>				



	<b>/Distributor Information:</b>				
<b>Animal Information:</b>	<b>Purchase Location Information:</b>	<b>Name:</b>	Amazon		
		<b>Address:</b>	United States		
	<b>Name:</b>	B6			
	<b>Type Of Species:</b>	Dog			
	<b>Type Of Breed:</b>	American Pit Bull Terrier			
	<b>Gender:</b>	Male			
	<b>Reproductive Status:</b>	Neutered			
	<b>Weight:</b>	71 Pound			
	<b>Age:</b>	6 Years			
	<b>Assessment of Prior Health:</b>	Excellent			
	<b>Number of Animals Given the Product:</b>	2			
	<b>Number of Animals Reacted:</b>	1			
	<b>Owner Information:</b>				
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6		
		<b>Contact:</b>	<b>Name:</b>	B6	
			<b>Phone:</b>	B6	
		<b>Address:</b>	B6		United States
					<b>Type of Veterinarian:</b>
<b>Date First Seen:</b>		11/26/2018			
<b>Permission to Release Records to FDA:</b>		Yes			
<b>Practice Name:</b>		B6			
<b>Contact:</b>		<b>Name:</b>	B6		
		<b>Phone:</b>	B6		
<b>Type of Veterinarian:</b>		Referred veterinarian			
<b>Date First Seen:</b>		12/19/2018			
<b>Permission to Release Records to FDA:</b>	Yes				
<b>Sender Information:</b>	<b>Name:</b>	B6			
	<b>Address:</b>	B6		United States	
				<b>Contact:</b>	<b>Phone:</b>
		<b>Email:</b>	B6		
	<b>Reporter Wants to Remain Anonymous:</b>	No			
	<b>Permission To Contact Sender:</b>	Yes			
	<b>Preferred Method Of Contact:</b>	Email			

Reported to Other Parties: None

Additional Documents:

---

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 1/9/2019 2:52:20 AM  
**Subject:** Canidae Grain Free Pure Wild Dry Dog Food with Wild Boar-Grain Free Limited Ingredient Diet: [B6] - EON-375880  
**Attachments:** 2060996-report.pdf; 2060996-attachments.zip

A PFR Report has been received and PFR Event [EON-375880] has been created in the EON System.

A "PDF" report by name "2060996-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060996-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-375880

**ICSR #:** 2060996

**EON Title:** PFR Event created for Canidae Grain Free Pure Wild Dry Dog Food with Wild Boar Grain Free Limited Ingredient Diet; 2060996

<b>AE Date</b>	06/21/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Better/Improved/Recovering
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	3 Years		
<b>District Involved</b>	PFR-San Francisco DO		

**Product information**

**Individual Case Safety Report Number:** 2060996

**Product Group:** Pet Food

**Product Name:** Canidae Grain Free Pure Wild Dry Dog Food with Wild Boar Grain Free Limited Ingredient Diet

**Description:** I became aware of a possible link between feeding grain free food and low Taurine levels/DCM. Since my dog had been on Canidae grain free for a year (May 2017 - early June 2018), I tested her whole blood Taurine level on 6/21/18. Her whole blood Taurine level was [B6] which is considered low for Golden Retrievers.

I changed her food to grain inclusive and retested her on 10/1/2018. Her whole blood Taurine level increased to **B6** still slightly below "normal" for Golden Retrievers. She got an echocardiogram on 10/27/2018 and was found to have a "normal" heart.

**Submission Type:** Initial

**Report Type:** Both

**Outcome of reaction/event at the time of last observation:** Better/Improved/Recovering

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Canidae Grain Free Pure Wild Dry Dog Food with Wild Boar Grain Free Limited Ingredient Diet		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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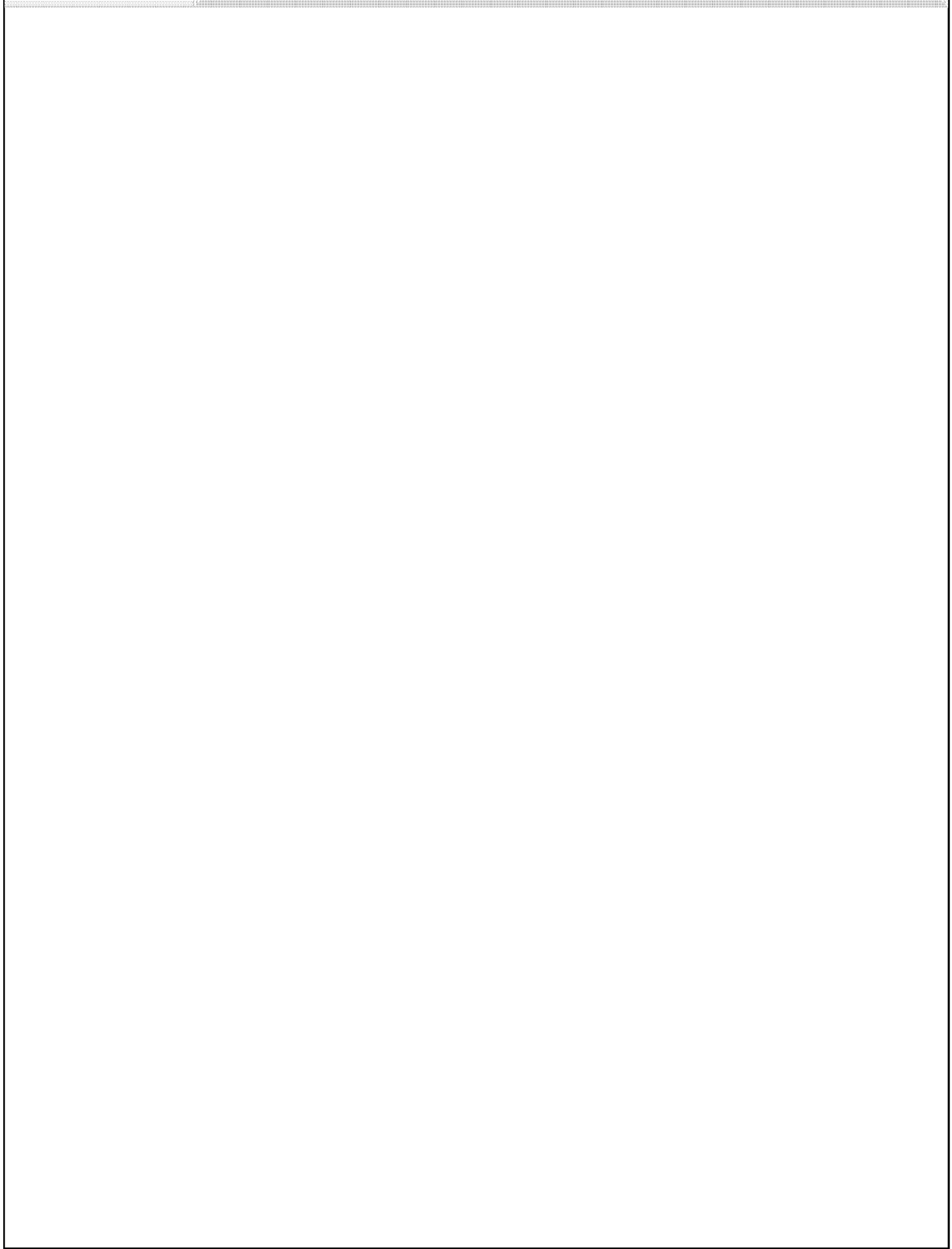
**Report Details - EON-375880**

ICSR:	2060996
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Both
Reporting Type:	Voluntary
Report Submission Date:	2019-01-08 21:46:26 EST
Reporter is the Animal Owner:	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	I became aware of a possible link between feeding grain free food and low Taurine levels/DCM. Since my dog had been on Canidae grain free for a year (May 2017 - early June 2018), I tested her whole blood Taurine level on 6/21/18. Her whole blood Taurine level was <b>B6</b> which is considered low for Golden Retrievers. I changed her food to grain inclusive and retested her on 10/1/2018. Her whole blood Taurine level increased to <b>B6</b> still slightly below "normal" for Golden Retrievers. She got an echocardiogram on 10/27/2018 and was found to have a "normal" heart.
	<b>Date Problem Started:</b>	06/21/2018
	<b>Date of Recovery:</b>	10/01/2018
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Better/Improved/Recovering

<b>Product Information:</b>	<b>Product Name:</b>	Canidae Grain Free Pure Wild Dry Dog Food with Wild Boar Grain Free Limited Ingredient Diet		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>			
	<b>Package Type:</b>	BAG		
	<b>Possess Unopened Product:</b>	No		
	<b>Possess Opened Product:</b>	No		
	<b>Storage Conditions:</b>	After purchase, I store the open bag in a sealed container that's in my pantry.		
	<b>Product Use Information:</b>	<b>Description:</b>	Fed as meals, three times a day. Sometimes the kibble was also used as training treats.	
		<b>First Exposure Date:</b>	05/14/2017	
		<b>Last Exposure Date:</b>	05/20/2018	
		<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes	
		<b>Adverse Event Abate After Product Stop:</b>	Yes	
		<b>Product Use Started Again:</b>	No	
<b>Perceived Relatedness to Adverse Event:</b>		Probably related		
<b>Other Foods or Products Given to the Animal During This Time Period:</b>		Yes		
<b>Manufacturer /Distributor Information:</b>				

	<b>Purchase Location Information:</b>	<b>Name:</b> Petco	
		<b>Address:</b> B6 United States	
<b>Animal Information:</b>	<b>Name:</b>	B6	
	<b>Type Of Species:</b>	Dog	
	<b>Type Of Breed:</b>	Retriever - Golden	
	<b>Gender:</b>	Female	
	<b>Reproductive Status:</b>	Neutered	
	<b>Weight:</b>	48 Pound	
	<b>Age:</b>	3 Years	
	<b>Assessment of Prior Health:</b>	Excellent	
	<b>Number of Animals Given the Product:</b>	1	
	<b>Number of Animals Reacted:</b>	1	
	<b>Owner Information:</b>		
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6
		<b>Contact:</b>	<b>Name:</b> B6
			<b>Phone:</b> B6
<b>Address:</b>		B6 United States	
<b>Type of Veterinarian:</b>		Primary/regular veterinarian	
<b>Date First Seen:</b>		06/21/2018	
<b>Permission to Release Records to FDA:</b>		Yes	
<b>Sender Information:</b>	<b>Name:</b>	B6	
	<b>Address:</b>	B6 United States	
	<b>Contact:</b>	<b>Phone:</b> B6	
		<b>Email:</b> B6	
	<b>Permission To Contact Sender:</b>	Yes	
	<b>Preferred Method Of Contact:</b>	Email	
	<b>Reported to Other Parties:</b>	None	
<b>Additional Documents:</b>	<b>Attachment:</b>	Taurine test 6-21-2018.pdf	
	<b>Description:</b>	B6 Taurine test result	
	<b>Type:</b>	Laboratory Report	
	<b>Attachment:</b>	Taurine test result 10-1-2018.pdf	
	<b>Description:</b>	B6 whole blood Taurine test result	
	<b>Type:</b>	Laboratory Report	





19197

### Sample Submission Form

Amino Acid Laboratory  
University of California, Davis  
1020 Vet Med 3B  
1089 Veterinary Medicine Drive  
Davis, CA 95616  
Tel: (530)752-5058, Fax: (530)752-4698

UC CUSTOMERS ONLY:  
Non-federal funds ID/Account Number  
to bill: \_\_\_\_\_

<http://www.vetmed.ucdavis.edu/vmb/aal/aal.html>

Vet/Tech Contact: B6

Company Name: B6

Address: B6

Email: B6

Tel: B6 Fax: B6

Billing Contact: Please call our clinic for payment info. Thank you. TAX ID: \_\_\_\_\_

Email: B6 Tel: B6

Patient Name: B6

Species: Dog - Golden Retriever

Owner's Name: B6

Sample Type:  Plasma  Whole Blood  Urine  Food  Other: \_\_\_\_\_

Test Items:  Taurine  Complete Amino Acid  Other: \_\_\_\_\_

Taurine Results (nmol/ml)

Plasma: \_\_\_\_\_ Whole Blood: B6 Urine: \_\_\_\_\_ Food: \_\_\_\_\_

### Reference Ranges (nmol/ml)

	Plasma		Whole Blood	
	Normal Range	No Known Risk for Taurine Deficiency	Normal Range	No Known Risk for Taurine Deficiency
Cat	80-120	>40	300-600	>200
Dog	60-120	>40	200-350	>150

# Amino Acid Laboratory Sample Submission Form

Amino Acid Laboratory  
 1089 Veterinary Medicine Drive  
 Davis, Ca 95616

Telephone: 530-752-5058, Fax: 530-752-4698

Email: [ucd.aminoacid.lab@ucdavis.edu](mailto:ucd.aminoacid.lab@ucdavis.edu)

[www.vetmed.ucdavis.edu/labs/amino-acid-laboratory](http://www.vetmed.ucdavis.edu/labs/amino-acid-laboratory)

Veterinarian Contact: \_\_\_\_\_ B6 \_\_\_\_\_

Clinic/Company Name: \_\_\_\_\_ B6 \_\_\_\_\_

Address: \_\_\_\_\_ B6 \_\_\_\_\_

Email: \_\_\_\_\_ B6 (vet) \_\_\_\_\_ B6 (owner) \_\_\_\_\_

Telephone: \_\_\_\_\_ B6 \_\_\_\_\_ Fax: \_\_\_\_\_

Billing Contact: \_\_\_\_\_ B6 \_\_\_\_\_ Email: \_\_\_\_\_ B6 \_\_\_\_\_

Patient Name: \_\_\_\_\_ B6 \_\_\_\_\_ Species: Dog

Breed: Golden Retriever Owner's Name: \_\_\_\_\_ B6 \_\_\_\_\_

Current Diet : Purina Pro Plan Salmon Sensitive Skin & Stomach

Sample type:  Plasma  Whole Blood  Urine  Food  Other \_\_\_\_\_

Test:  Taurine  Complete Amino Acids  Other: \_\_\_\_\_

## Taurine Results (lab use only)

Plasma: \_\_\_\_\_ Whole Blood: B6 Urine: \_\_\_\_\_ Food: \_\_\_\_\_

	Plasma (nMol/ml)		Whole Blood (nMol/ml)	
	Normal Range	No known risk for deficiency	Normal Range	No known risk for deficiency
Cat	80-120	>40	300-600	>200
Dog	60-120	>40	200-350	>150

\* Please note with the recent increase in the number of dogs screened for taurine deficiency, we are seeing dogs with values within the reference ranges (or above the "no known risk for deficiency range") yet are still exhibiting signs of cardiac disease. Veterinarians are welcome to contact our laboratory for assistance in evaluating your patient's results.

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [REDACTED] **B6**  
**Sent:** 1/8/2019 2:24:22 PM  
**Subject:** CANIDAE Grain-Free PURE Land with Bison Limited Ingredient Diet Adult Dry Dog Food; [REDACTED] **B6** EON-375771  
**Attachments:** 2060959-report.pdf

A PFR Report has been received and PFR Event [EON-375771] has been created in the EON System.

A "PDF" report by name "2060959-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-375771

**ICSR #:** 2060959

**EON Title:** PFR Event created for CANIDAE Grain-Free PURE Land with Bison Limited Ingredient Diet Adult Dry Dog Food; 2060959

<b>AE Date</b>	11/30/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	4 Years		
<b>District Involved</b>	PFR [REDACTED] <b>B6</b> DO		

**Product information**

**Individual Case Safety Report Number:** 2060959

**Product Group:** Pet Food

**Product Name:** CANIDAE Grain-Free PURE Land with Bison Limited Ingredient Diet Adult Dry Dog Food

**Description:** For 3.5 years, dog was fed Canidae Pure Land Bison dry dog food. Upon release of FDA warning that heart disease was caused in dogs eating Grain Free food, dog was taken off diet as of July 2018 and switched to Royal Canin Prescription Gastrointestinal. However, at routine physical on November 30, 2018, a grade 1-2 heart murmur was discovered in dog. Upon this finding, an echocardiogram was performed by a licensed veterinary internist, [REDACTED] **B6** who concluded that dog has early-stage DCM.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
CANIDAE Grain-Free PURE Land with Bison Limited Ingredient Diet Adult Dry Dog Food		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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Report Details - EON-375771		
ICSR:	2060959	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2019-01-08 09:16:48 EST	
Reporter is the Animal Owner:	Yes	
Reported Problem:	<b>Problem Description:</b> For 3.5 years, dog was fed Canidae Pure Land Bison dry dog food. Upon release of FDA warning that heart disease was caused in dogs eating Grain Free food, dog was taken off diet as of July 2018 and switched to Royal Canin Prescription Gastrointestinal. However, at routine physical on November 30, 2018, a grade 1-2 heart murmur was discovered in dog. Upon this finding, an echocardiogram was performed by a licensed veterinary internist, [REDACTED] <b>B6</b> who concluded that dog has early-stage DCM.	
	<b>Date Problem Started:</b> 11/30/2018	
	<b>Concurrent Medical Problem:</b> Yes	
	<b>Pre Existing Conditions:</b> Dog had environmental allergies - was taking Benadryl as prescribed and VARL Liquid Gold to desensitize from allergies. Overall, allergies were in check and dog was in excellent health. Dog also took Bravecto and Heartgard to protect from fleas, ticks, and heart worm.	
	<b>Outcome to Date:</b> Stable	
Product Information:	<b>Product Name:</b> CANIDAE Grain-Free PURE Land with Bison Limited Ingredient Diet Adult Dry Dog Food	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>UPC:</b> 640461015870	
	<b>Package Type:</b> BAG	
	<b>Package Size:</b> 21 Pound	
	<b>Purchase Date:</b> 07/01/2018	
	<b>Number Purchased:</b> 1	
	<b>Possess Unopened Product:</b> No	
	<b>Possess Opened Product:</b> No	
	<b>Storage Conditions:</b> Before opening, product was stored in bag on main living floor in kitchen pantry. After opening, product was stored in an air-tight bin on main living floor in kitchen pantry.	
	<b>Product Use Information:</b>	<b>Description:</b> 1 cup of food was administered twice a day in a slow-feed bowl over the course of 3 to 3.5 years.
		<b>Last Exposure Date:</b> 07/16/2018
<b>Product Use Stopped After the Onset of the Adverse Event:</b> Yes		
<b>Adverse Event Abate After Product Stop:</b> Unknown		
<b>Product Use Started Again:</b> No		
<b>Perceived Relatedness to Adverse Event:</b> Definitely related		

<b>Manufacturer /Distributor Information:</b>	<b>Name:</b>	Canidae Corporation
	<b>Type(s):</b>	Manufacturer
	<b>Address:</b>	California United States
	<b>Contact:</b>	<b>Phone:</b> 18003981600 <b>Web Address:</b> Canidae.com
	<b>Possess One or More Labels from This Product:</b>	Yes
<b>Purchase Location Information:</b>	<b>Name:</b>	B6
	<b>Address:</b>	B6 United States
<b>Animal Information:</b>	<b>Name:</b>	B6
	<b>Type Of Species:</b>	Dog
	<b>Type Of Breed:</b>	Retriever - Golden
	<b>Gender:</b>	Male
	<b>Reproductive Status:</b>	Neutered
	<b>Weight:</b>	80 Pound
	<b>Age:</b>	4 Years
	<b>Assessment of Prior Health:</b>	Good
	<b>Number of Animals Given the Product:</b>	1
	<b>Number of Animals Reacted:</b>	1
<b>Owner Information:</b>		
<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6
	<b>Contact:</b>	<b>Name:</b> B6 <b>Phone:</b> B6
	<b>Address:</b>	B6 United States
	<b>Type of Veterinarian:</b>	Referred veterinarian
	<b>Date First Seen:</b>	12/06/2018
	<b>Permission to Release Records to FDA:</b>	Yes
	<b>Practice Name:</b>	B6
	<b>Contact:</b>	<b>Name:</b> B6 <b>Phone:</b> B6
	<b>Address:</b>	B6 United States
	<b>Type of Veterinarian:</b>	Primary/regular veterinarian
<b>Date First Seen:</b>	11/30/2018	

Permission to Release Records to FDA: Yes

Sender Information:

Name:

B6

Address:

B6

United States

Contact:

Phone:

B6

Email:

B6

Permission To Contact Sender: Yes

Preferred Method Of Contact: Email

Reported to Other Parties: Other

Additional Documents:

Report Details - EON-376088	
ICSR:	2061078
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-01-10 21:20:52 EST
Reporter is the Animal Owner:	Yes
Reported Problem:	<b>Problem Description:</b> <b>B6</b> was eating Crave Grain Free Salmon & White Fish kibble as his main diet. After presenting to the veterinarian with a heart murmur, he was evaluated by echocardiogram and found to have severe dilated cardiomyopathy.
	<b>Date Problem Started:</b> 12/06/2018
	<b>Concurrent Medical Problem:</b> Unknown
	<b>Outcome to Date:</b> Stable
Product Information:	<b>Product Name:</b> CRAVE Dog Food with Protein from Salmon and Ocean White Fish
	<b>Product Type:</b> Pet Food
	<b>Lot Number:</b>
	<b>Package Type:</b> BAG
	<b>Package Size:</b> 22 Pound
	<b>Possess Unopened Product:</b> No
	<b>Possess Opened Product:</b> No
	<b>Storage Conditions:</b> Inside of the bag in an airtight plastic container.
	<b>Product Use Information:</b>
	<b>Description:</b> Fed to the dog twice daily, 2/3 cup per day.
	<b>Product Use Stopped After the Onset of the Adverse Event:</b> Yes
	<b>Adverse Event Abate After Product Stop:</b> No
<b>Product Use Started Again:</b> No	
<b>Perceived Relatedness to Adverse Event:</b> Probably related	
<b>Other Foods or Products Given to the Animal During This Time Period:</b> Yes	
<b>Manufacturer /Distributor Information:</b>	
<b>Purchase Location Information:</b>	
Animal Information:	<b>Name:</b> <b>B6</b>
	<b>Type Of Species:</b> Dog
	<b>Type Of Breed:</b> Shih Tzu
	<b>Gender:</b> Male
	<b>Reproductive Status:</b> Intact
	<b>Weight:</b> 13 Pound



	<b>Assessment of Prior Health:</b>	Good
	<b>Number of Animals Given the Product:</b>	1
	<b>Number of Animals Reacted:</b>	1
	<b>Owner Information:</b>	
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b> B6
		<b>Contact:</b> <b>Name:</b> B6 <b>Phone:</b> B6
		<b>Address:</b> B6 United States
		<b>Type of Veterinarian:</b> Referred veterinarian
		<b>Date First Seen:</b> 12/06/2018
		<b>Permission to Release Records to FDA:</b> Yes
<b>Sender Information:</b>	<b>Name:</b> B6	
	<b>Address:</b> United States	
	<b>Contact:</b> <b>Phone:</b> B6 <b>Email:</b> B6	
	<b>Reporter Wants to Remain Anonymous:</b>	No
	<b>Permission To Contact Sender:</b>	Yes
	<b>Preferred Method Of Contact:</b>	Email
	<b>Reported to Other Parties:</b>	Other
<b>Additional Documents:</b>		

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>

**To:** Cleary, Michael \*; HQ Pet Food Report Notification [B6]

**Sent:** 1/10/2019 7:48:20 PM

**Subject:** Diamond -Naturals-Skin & Coat-All Life Stages Dog-Salmon & Potato Formula: [B6] EON-376046

**Attachments:** 2061059-report.pdf

A PFR Report has been received and PFR Event [EON-376046] has been created in the EON System.

A "PDF" report by name "2061059-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-376046

**ICSR #:** 2061059

**EON Title:** PFR Event created for Diamond Naturals Skin & Coat All Life Stages Dog Salmon & Potato Formula; 2061059

<b>AE Date</b>	12/23/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>	12/17/2019	<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Worse/Declining /Deteriorating
<b>Breed</b>	Basset - Griffon Vendeen (unspecified)		
<b>Age</b>	6 Years		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2061059

**Product Group:** Pet Food

**Product Name:** Diamond Naturals Skin & Coat All Life Stages Dog Salmon & Potato Formula

**Description:** After changing foods to a grain-free diet, the dog went into heart failure. His heart failure onset was sudden.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Worse/Declining/Deteriorating

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Diamond Naturals Skin & Coat All Life Stages Dog Salmon & Potato Formula		12/17/2019

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-376046**

<b>ICSR:</b>	2061059			
<b>Type Of Submission:</b>	Initial			
<b>Report Version:</b>	FPSR.FDA.PETF.V.V1			
<b>Type Of Report:</b>	Adverse Event (a symptom, reaction or disease associated with the product)			
<b>Reporting Type:</b>	Voluntary			
<b>Report Submission Date:</b>	2019-01-10 14:40:34 EST			
<b>Reporter is the Animal Owner:</b>	Yes			
<b>Reported Problem:</b>	<b>Problem Description:</b>	After changing foods to a grain-free diet, the dog went into heart failure. His heart failure onset was sudden.		
	<b>Date Problem Started:</b>	12/23/2018		
	<b>Concurrent Medical Problem:</b>	Yes		
	<b>Pre Existing Conditions:</b>	Food allergies leading to hot spots.		
	<b>Outcome to Date:</b>	Worse/Declining/Deteriorating		
<b>Product Information:</b>	<b>Product Name:</b>	Diamond Naturals Skin & Coat All Life Stages Dog Salmon & Potato Formula		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>	<b>Expiration Date:</b>	12/17/2019	
	<b>UPC:</b>	74198613847		
	<b>Package Type:</b>	BAG		
	<b>Package Size:</b>	30 Pound		
	<b>Purchase Date:</b>	11/26/2018		
	<b>Number Purchased:</b>	1		
	<b>Possess Unopened Product:</b>	No		
	<b>Possess Opened Product:</b>	Yes		
	<b>Storage Conditions:</b>	The food was opened upon arrival. The Food was stored in a sealed cooler after being opened.		
	<b>Product Use Information:</b>	<b>Description:</b>	Dog was fed 1.5 cups of food once a day.	
		<b>First Exposure Date:</b>	12/03/2018	
		<b>Last Exposure Date:</b>	01/07/2019	
		<b>Time Interval between Product Use and Adverse Event:</b>	2 Weeks	
		<b>Product Use Stopped After the Onset of the Adverse Event:</b>	No	
		<b>Perceived Relatedness to Adverse Event:</b>	Possibly related	
<b>Other Foods or Products Given to the Animal During This Time Period:</b>		Yes		
<b>Manufacturer /Distributor Information:</b>				
<b>Purchase Location Information:</b>	<b>Name:</b>	Chewy.com		

<b>Animal Information:</b>	<b>Name:</b>	B6		
	<b>Type Of Species:</b>	Dog		
	<b>Type Of Breed:</b>	Basset - Griffon Vendeen (unspecified)		
	<b>Gender:</b>	Male		
	<b>Reproductive Status:</b>	Neutered		
	<b>Weight:</b>	37 Pound		
	<b>Age:</b>	6 Years		
	<b>Assessment of Prior Health:</b>	Good		
	<b>Number of Animals Given the Product:</b>	2		
	<b>Number of Animals Reacted:</b>	1		
	<b>Owner Information:</b>			
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6	
		<b>Contact:</b>	<b>Name:</b>	B6
			<b>Phone:</b>	B6
<b>Address:</b>		B6		
		United States		
<b>Type of Veterinarian:</b>		Primary/regular veterinarian		
<b>Date First Seen:</b>		12/26/2018		
<b>Permission to Release Records to FDA:</b>	No			
<b>Sender Information:</b>	<b>Name:</b>	B6		
	<b>Address:</b>	B6		
		United States		
	<b>Contact:</b>	<b>Phone:</b>	B6	
		<b>Email:</b>	B6	
	<b>Reporter Wants to Remain Anonymous:</b>	No		
	<b>Permission To Contact Sender:</b>	Yes		
<b>Preferred Method Of Contact:</b>	Email			
<b>Reported to Other Parties:</b>	None			
<b>Additional Documents:</b>				

---

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 12/26/2018 3:16:26 PM  
**Subject:** Fromm Family-From the Heartland-Grain Free-Dog Food; [B6]  
EON-374687  
**Attachments:** 2060556-report.pdf

A PFR Report has been received and PFR Event [EON-374687] has been created in the EON System.

A "PDF" report by name "2060556-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-374687

**ICSR #:** 2060556

**EON Title:** PFR Event created for Fromm Family From the Heartland Grain Free Dog Food; 2060556

<b>AE Date</b>	04/01/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Died Naturally
<b>Breed</b>	Retriever - Labrador		
<b>Age</b>	8 Years		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2060556

**Product Group:** Pet Food

**Product Name:** Fromm Family From the Heartland Grain Free Dog Food

**Description:** [B6] had [B6] As part of his recovery process, the surgeon put him on Antibiotics. He remained on those for about 3 months. After his recovery period, he was given a clean bill of health from the surgeon and he seemed fine. About a month later, he began coughing one day and the cough gradually worsened over the next few days. We took him to our regular vet. She put him on a different antibiotic stating the one from surgery may have killed off good bacteria and this one should correct that. Within 10 days, he seemed perfectly normal again. About two weeks later, his cough returned and got really bad quickly. We took him to the emergency vet hospital and they diagnosed him with an enlarged heart. We took him back two days

later for an echo cardiogram and it confirmed it. His heart was more than double the normal size. He died three weeks later. Because [B6] had always had some apparent allergies, we at the suggestion of our first veterinarian, we put him on grain free dog food when he was about 3 years old. [B6] had regular check-ups, lived a great life with great care. Even when they did the [B6] surgery, they never detected any abnormalities with his heart. When this occurred, we were stunned, as this condition was usually attributed to a birth defect. Yet at no time did he every exhibit any issues that would have led anyone to believe this was congenital. It was not until this article, that I realized that we had switched [B6] to a different grain free dog food about 12 months before he died.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Died Naturally

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Fromm Family From the Heartland Grain Free Dog Food		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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Report Details - EON-374687	
ICSR:	2060556
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2018-12-26 10:11:25 EST
Reporter is the Animal Owner:	Yes
Reported Problem:	<b>Problem Description:</b> <b>B6</b> had <b>B6</b> As part of his recovery process, the surgeon put him on Antibiotics. He remained on those for about 3 months. After his recovery period, he was given a clean bill of health from the surgeon and he seemed fine. About a month later, he began coughing one day and the cough gradually worsened over the next few days. We took him to our regular vet. She put him on a different antibiotic stating the one from surgery may have killed off good bacteria and this one should correct that. Within 10 days, he seemed perfectly normal again. About two weeks later, his cough returned and got really bad quickly. We took him to the emergency vet hospital and they diagnosed him with an enlarged heart. We took him back two days later for an echo cardiogram and it confirmed it. His heart was more than double the normal size. He died three weeks later. Because <b>B6</b> had always had some apparent allergies, we at the suggestion of our first veterinarian, we put him on grain free dog food when he was about 3 years old. <b>B6</b> had regular check-ups, lived a great life with great care. Even when they did the <b>B6</b> surgery, they never detected any abnormalities with his heart. When this occurred, we were stunned, as this condition was usually attributed to a birth defect. Yet at no time did he ever exhibit any issues that would have led anyone to believe this was congenital. It was not until this article, that I realized that we had switched <b>B6</b> to a different grain free dog food about 12 months before he died.
	<b>Date Problem Started:</b> 04/01/2018
	<b>Concurrent Medical Problem:</b> Yes
	<b>Pre Existing Conditions:</b> He was always allergic to the grass, so he was given anti-itch medication for about 6 months., Apoquel 16 mg.
	<b>Outcome to Date:</b> Died Naturally
	<b>Date of Death:</b> <b>B6</b>
	<b>Product Information:</b>
<b>Product Name:</b>	Fromm Family From the Heartland Grain Free Dog Food
<b>Product Type:</b>	Pet Food
<b>Lot Number:</b>	
<b>UPC:</b>	Do not know
<b>Package Type:</b>	BAG
<b>Package Size:</b>	26 Pound
<b>Purchase Date:</b>	06/01/2017
<b>Number Purchased:</b>	1
<b>Possess Unopened Product:</b>	No
<b>Possess Opened Product:</b>	No
<b>Storage Conditions:</b>	We used a sealed, plastic dog food storage bin. We would pour the entire contents of the bag into the bin immediately upon opening. The bin was kept in a clean, dry area. We would completely empty the bin before adding any new food to prevent older food from accumulating in the bottom of the bin. The previous months food would then be on top and used first. We followed this method for his entire life. In addition, the question below asked of there were any other foods or products given to the animal during this time? Yes, he received grain-free dog treats from the same brand Fromm.
<b>Product Use Information:</b>	<b>Description:</b> <b>B6</b> received 2 cups of food, once per day, every day.
	<b>First Exposure</b> 06/01/2017

		Date:	
		Last Exposure Date:	B6
		Time Interval between Product Use and Adverse Event:	9 Months
		Product Use Stopped After the Onset of the Adverse Event:	No
		Perceived Relatedness to Adverse Event:	Definitely related
		Other Foods or Products Given to the Animal During This Time Period:	Yes
	Manufacturer /Distributor Information:		
	Purchase Location Information:	Name:	B6
		Address:	B6 United States
Animal Information:	Name:	B6	
	Type Of Species:	Dog	
	Type Of Breed:	Retriever - Labrador	
	Gender:	Male	
	Reproductive Status:	Neutered	
	Weight:	100 Pound	
	Age:	8 Years	
	Assessment of Prior Health:	Excellent	
	Number of Animals Given the Product:	1	
	Number of Animals Reacted:	1	
	Owner Information:		
	Healthcare Professional Information:		
Sender Information:	Name:	B6	
	Address:	B6 United States	
	Contact:	Phone:	B6
		Email:	B6
	Permission To Contact Sender:	Yes	
	Preferred Method Of Contact:	Email	
	Reported to Other Parties:	None	

**Additional Documents:**

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 1/6/2019 12:12:23 AM  
**Subject:** Fromm Surf & Turf dry dog food; [B6] EON-375559  
**Attachments:** 2060907-report.pdf; 2060907-attachments.zip

A PFR Report has been received and PFR Event [EON-375559] has been created in the EON System.

A "PDF" report by name "2060907-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060907-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-375559

**ICSR #:** 2060907

**EON Title:** PFR Event created for Fromm Surf & Turf dry dog food; 2060907

<b>AE Date</b>	10/30/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Pit Bull		
<b>Age</b>	8 Years		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2060907

**Product Group:** Pet Food

**Product Name:** Fromm Surf & Turf dry dog food

**Description:** [B6] was slightly lethargic and upon veterinary examination, a new heart murmur was discovered. We scheduled an echocardiogram and she was diagnosed with Dilated Cardiomyopathy and a Mitral Valve Regurgitation. We sent her blood into UC Davis for a taurine test and her taurine levels were normal. It is suspected that her food caused this issue.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Fromm Surf & Turf dry dog food		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-375559**

<b>ICSR:</b>	2060907
<b>Type Of Submission:</b>	Initial
<b>Report Version:</b>	FPSR.FDA.PETF.V.V1
<b>Type Of Report:</b>	Adverse Event (a symptom, reaction or disease associated with the product)
<b>Reporting Type:</b>	Voluntary
<b>Report Submission Date:</b>	2019-01-05 19:04:25 EST
<b>Reporter is the Animal Owner:</b>	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	<b>B6</b> was slightly lethargic and upon veterinary examination, a new heart murmur was discovered. We scheduled an echocardiogram and she was diagnosed with Dilated Cardiomyopathy and a Mitral Valve Regurgitation. We sent her blood into UC Davis for a taurine test and her taurine levels were normal. It is suspected that her food caused this issue.
	<b>Date Problem Started:</b>	10/30/2018
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Stable

<b>Product Information:</b>	<b>Product Name:</b>	Fromm Surf & Turf dry dog food		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>			
	<b>Package Type:</b>	BAG		
	<b>Package Size:</b>	12 Pound		
	<b>Purchase Date:</b>	10/04/2018		
	<b>Number Purchased:</b>	1		
	<b>Possess Unopened Product:</b>	No		
	<b>Possess Opened Product:</b>	No		
	<b>Storage Conditions:</b>	After purchase was immediately placed into a dog food storage container with air tight lid.		
	<b>Product Use Information:</b>	<b>Description:</b>	2 cups per day by mouth	
		<b>Last Exposure Date:</b>	10/18/2018	
		<b>Time Interval between Product Use and Adverse Event:</b>	1 Years	
		<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes	
<b>Adverse Event Abate After Product Stop:</b>		Unknown		
<b>Product Use Started Again:</b>		No		
<b>Perceived Relatedness to Adverse Event:</b>		Probably related		
<b>Other Foods or Products Given to the Animal During This Time Period:</b>		Yes		
<b>Manufacturer:</b>				

	<b>/Distributor Information:</b> <b>Purchase Location Information:</b>	<b>Name:</b> B6 <b>Address:</b> B6 United States
<b>Animal Information:</b>	<b>Name:</b> B6 <b>Type Of Species:</b> Dog <b>Type Of Breed:</b> Pit Bull <b>Gender:</b> Female <b>Reproductive Status:</b> Neutered <b>Weight:</b> 56 Pound <b>Age:</b> 8 Years <b>Assessment of Prior Health:</b> Excellent <b>Number of Animals Given the Product:</b> 1 <b>Number of Animals Reacted:</b> 1 <b>Owner Information:</b>	<b>Healthcare Professional Information:</b> <b>Practice Name:</b> B6 <b>Contact:</b> <b>Name:</b> B6 <b>Phone:</b> B6 <b>Email:</b> B6 <b>Address:</b> B6 United States <b>Type of Veterinarian:</b> Primary/regular veterinarian <b>Date First Seen:</b> 10/30/2018 <b>Permission to Release Records to FDA:</b> Yes
<b>Sender Information:</b>	<b>Name:</b> B6 <b>Address:</b> B6 United States <b>Contact:</b> <b>Phone:</b> B6 <b>Email:</b> B6 <b>Permission To Contact Sender:</b> Yes <b>Preferred Method Of Contact:</b> Email <b>Reported to Other Parties:</b> None	
<b>Additional Documents:</b>	<b>Attachment:</b> 39177; B6 Echo.pdf <b>Description:</b> B6 results from her echocardiogram. <b>Type:</b> Echocardiogram	

<b>Attachment:</b>	taurine results.pdf
<b>Description:</b>	<b>B6</b> taurine results from UC Davis
<b>Type:</b>	Laboratory Report



**B6**

EXAM NO: 39177 HOSPITAL: B6  
 DATE: B6 DOCTOR: B6  
 CLIENT/AGENT: B6 MRN: B6  
 PATIENT: B6 SEX/DOB: FS / B6  
 SPECIES/BREED: Canine / American Pit Bull Terrier WEIGHT: 63.0 lbs / 28.6 kg

**CARDIOVASCULAR EXAMINATION REPORT**

**History:** Progressive lethargy with developing cough. New murmur. Reported radiographic cardiomegaly without CHF. CBC and chemistries are unremarkable (HCT= 40%, BUN/Cr= 18/0.7 mg/dL).

**B6**

**2D/M-Mode/Doppler Echocardiogram:** (1+ = trace or borderline, 2+ = mild, 3+ = moderate, 4+ = severe, 5+ = extreme)

RV Wall	<b>B6</b>	Left Atrium (LA)	<b>B6</b>
RA Atrium		Left Ventricle (LV)	
Right Ventricle		LV Septum	
Tricuspid Valve		LV Posterior Wall	
RV Outflow Tract		Mitral Valve	
Pulmonic Valve		LV Outflow Tract	
Pulmonary Artery		Aortic Valve/Ao	
Other Findings			

- Diagnosis:**
- DILATED CARDIOMYOPATHY: MODERATE**
  - MITRAL REGURGITATION: MILD**

**Comments:** Chamber enlargement with decreased contractility indices are markers for dilated cardiomyopathy (DCM). There is also concurrent secondary mitral regurgitation. In majority patients, it is loss of contractility from unknown degenerative changes. Recently grain-free diets have been associated with taurine deficiency induced DCM particularly diets with lean meat, with little organ contribution from unique source (kangaroo, salmon), grain free, high in legumes (lintels, peas) and fiber. Homemade vegan or vegetarian diets without taurine supplementation are at risk. Extreme hypothyroid states may also trigger LV dysfunction, but little evidence for it. Overall prognosis is fair to guarded. Some return to subclinical state with subtle symptoms once treatment is started. Better prognosis if a transient myocarditis or associated with low taurine or a hypothyroid state. Others progress to classic DCM with refractory CHF within 3-9 months, or a malignant arrhythmia develops that triggers sudden death. Long term survival is dependent on response to treatment if arrhythmias progress, if treatment impact renal function balanced against the quality of life.

**Recommendations:**

**B6**

B6 DVM  
Diplomate, ACVIM (Cardiology)

B6

25766-PL

25767-WB

### Amino Acid Laboratory Sample Submission Form

Amino Acid Laboratory, 1089 Veterinary Medicine Drive, Davis, Ca 95616

Telephone: 530-752-5058

Fax: 530-752-4698

Email: [ucd.aminoacid.lab@ucdavis.edu](mailto:ucd.aminoacid.lab@ucdavis.edu)

[www.vetmed.ucdavis.edu/labs/amino-acid-laboratory](http://www.vetmed.ucdavis.edu/labs/amino-acid-laboratory)



**UC DAVIS**  
VETERINARY MEDICINE

Submitting Veterinarian Information	
Clinic Name:	<b>B6</b> Tax ID: _____
Mailing Address:	<b>B6</b>
Veterinarian Name:	<b>B6</b> Phone: <b>B6</b>
Email:	<b>B6</b> Fax: <b>B6</b>

Owner Information	
Name:	<b>B6</b>
Mailing Address: <small>(required if billing owner)</small>	<b>B6</b>
Email:	<b>B6</b> Phone: <b>B6</b>

Patient Information	
Name:	<b>B6</b> Species: <u>kg</u> Breed: <u>Pit Bull</u>
Current Diet:	<u>Fraum</u>

Preferred method of results reporting:  Fax  Email  
 Bill to:  Clinic  Owner (Non-federal funds) UC Account # \_\_\_\_\_

\*Invoices will be mailed to all customers with a US mailing address, unless emailed invoices are required

\*Credit cards are not accepted for payment, please wait to receive invoice and remit payment by check per invoice instructions

Sample type:  Plasma  Whole Blood  Urine  Food Other: \_\_\_\_\_  
 Test:  Taurine  Complete Amino Acid Other: \_\_\_\_\_

Taurine Results (lab use only)	
Plasma:	<b>B6</b> Blood: <b>B6</b> Urine: _____ Food: _____
Reporter's Initials:	<b>B6</b> Date: <u>12/17/18</u>

#### Normal Taurine Values (nMols/ml) for Cat & Dog

	Plasma (nMol/ml)		Whole Blood (nMol/ml)	
	Normal Range	No known risk for deficiency	Normal Range	No known risk for deficiency
Cat	80 - 120	>40	300 - 600	>200
Dog	60 - 120	>40	200 - 350	>150

\* Please note with the recent increase in the number of dogs screened for taurine deficiency, we are seeing dogs with values within the reference ranges (or above the "no known risk for deficiency range") yet are still exhibiting signs of cardiac disease. Veterinarians are welcome to contact our laboratory for assistance in evaluating your patient's results.

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 1/3/2019 6:40:20 PM  
**Subject:** GO Venison; [B6] EON-375313  
**Attachments:** 2060813-report.pdf

A PFR Report has been received and PFR Event [EON-375313] has been created in the EON System.

A "PDF" report by name "2060813-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-375313

**ICSR #:** 2060813

**EON Title:** PFR Event created for GO Venison; 2060813

<b>AE Date</b>	12/27/2018	<b>Number Fed/Exposed</b>	
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	5 Years		
<b>District Involved</b>	PFR-Foreign Firms DO		

**Product information**

**Individual Case Safety Report Number:** 2060813

**Product Group:** Pet Food

**Product Name:** GO Venison

**Description:** [B6] has been eating grain free GO Venison since September 2014 up until November 2018 when we switched her to Hills Science Diet large breed chicken and barley. Her Taurine level in November 2017 was [B6] She had an echocardiogram on December 27th and has been diagnosed with Taurine deficient dilated cardiomyopathy. It is recommended that she take Taurine and l-carnitine supplements daily and have another Taurine blood test in 3 months and a recheck cardiology examination and echocardiogram in 6 months.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Reacted With Product: 1**

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
GO Venison		

**Sender information**

**B6**

CAN

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-375313**

ICSR: 2060813  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-01-03 13:30:04 EST  
 Reporter is the Animal Owner: Yes

**Reported Problem:**  
**Problem Description:** B6 has been eating grain free GO Venison since September 2014 up until November 2018 when we switched her to Hills Science Diet large breed chicken and barley. Her Taurine level in November 2017 was B6. She had an echocardiogram on December 27th and has been diagnosed with Taurine deficient dilated cardiomyopathy. It is recommended that she take Taurine and L-carnitine supplements daily and have another Taurine blood test in 3 months and a recheck cardiology examination and echocardiogram in 6 months.  
**Date Problem Started:** 12/27/2018  
**Concurrent Medical Problem:** Yes  
**Pre Existing Conditions:** Hypothyroidism 0.6mg thyrotabs  
**Outcome to Date:** Stable

**Product Information:**  
**Product Name:** GO Venison  
**Product Type:** Pet Food  
**Lot Number:**  
**Package Type:** BAG  
**Purchase Date:** 11/01/2018  
**Possess Unopened Product:** No  
**Possess Opened Product:** No  
**Product Use Information:**  
**Manufacturer /Distributor Information:**  
**Purchase Location Information:**

**Animal Information:**  
**Name:** B6  
**Type Of Species:** Dog  
**Type Of Breed:** Retriever - Golden  
**Gender:** Female  
**Reproductive Status:** Neutered  
**Weight:** 31.5 Kilogram  
**Age:** 5 Years  
**Assessment of Prior Health:** Good  
**Number of Animals Reacted:** 1  
**Owner Information:**  
**Healthcare Professional Information:**

**Sender Information:**  
**Name:** B6  
**Address:** B6

**B6**  
Canada

**Contact:** **Phone:** **B6**  
**Other Phone:** **B6**  
**Email:** **B6**

**Reporter Wants to Remain Anonymous:** No

**Permission To Contact Sender:** Yes

**Preferred Method Of Contact:** Email

**Reported to Other Parties:** None

**Additional Documents:**

---

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6  
**Sent:** 12/27/2018 3:56:41 PM  
**Subject:** Homecooked diet - see diet history in medical record: Lisa Freeman - EON-374789  
**Attachments:** 2060600-report.pdf; 2060600-attachments.zip

A PFR Report has been received and PFR Event [EON-374789] has been created in the EON System.

A "PDF" report by name "2060600-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060600-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-374789

**ICSR #:** 2060600

**EON Title:** PFR Event created for Homecooked diet - see diet history in medical record; 2060600

<b>AE Date</b>	11/15/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Doberman Pinscher		
<b>Age</b>	<span style="border: 1px dashed black; padding: 2px;">B6</span> Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2060600

**Product Group:** Other

**Product Name:** Homecooked diet - see diet history in medical record

**Description:** Arrhythmia identified at primary care vet on 11/15/18. Evaluated at Tufts 12/5/18 and diagnosed DCM with VPCs and APCs. Eating unbalanced homecooked diet. WB taurine B6 plasma not measured because owner had started taurine supplementation). Owner was recommended to change diet and we will recheck in 3 months

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Homecooked diet - see diet history in medical record		

**Sender information**

Lisa Freeman  
200 Westboro Rd  
North Grafton, MA 01536  
USA

**Owner information**

**B6** USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

---

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**Report Details - EON-374789**

**ICSR:** 2060600  
**Type Of Submission:** Initial  
**Report Version:** FPSR.FDA.PETF.V.V1  
**Type Of Report:** Adverse Event (a symptom, reaction or disease associated with the product)  
**Reporting Type:** Voluntary  
**Report Submission Date:** 2018-12-27 10:47:28 EST

**Reported Problem:**

<b>Problem Description:</b>	Arrhythmia identified at primary care vet on 11/15/18. Evaluated at Tufts 12/5/18 and diagnosed DCM with VPCs and APCs. Eating unbalanced homecooked diet. WB taurine B6 plasma not measured because owner had started taurine supplementation). Owner was recommended to change diet and we will recheck in 3 months
<b>Date Problem Started:</b>	11/15/2018
<b>Concurrent Medical Problem:</b>	Yes
<b>Pre Existing Conditions:</b>	History of anaplasma, von Willebrand disease, skin allergies, elevated ALT
<b>Outcome to Date:</b>	Stable

**Product Information:**

<b>Product Name:</b>	Homecooked diet - see diet history in medical record
<b>Product Type:</b>	Other
<b>Lot Number:</b>	
<b>Product Use Information:</b>	
<b>Manufacturer /Distributor Information:</b>	
<b>Purchase Location Information:</b>	

**Animal Information:**

<b>Name:</b>	B6														
<b>Type Of Species:</b>	Dog														
<b>Type Of Breed:</b>	Doberman Pinscher														
<b>Gender:</b>	Male														
<b>Reproductive Status:</b>	Neutered														
<b>Weight:</b>	40.9 Kilogram														
<b>Age:</b>	B6 Years														
<b>Assessment of Prior Health:</b>	Good														
<b>Number of Animals Given the Product:</b>	1														
<b>Number of Animals Reacted:</b>	1														
<b>Owner Information:</b>	<table border="1"><tr><td><b>Owner Information provided:</b></td><td>Yes</td></tr><tr><td><b>Contact:</b></td><td><table border="1"><tr><td><b>Name:</b></td><td>B6</td></tr><tr><td><b>Phone:</b></td><td>B6</td></tr><tr><td><b>Email:</b></td><td>B6</td></tr></table></td></tr><tr><td><b>Address:</b></td><td><table border="1"><tr><td><b>B6</b></td></tr><tr><td>United States</td></tr></table></td></tr></table>	<b>Owner Information provided:</b>	Yes	<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td>B6</td></tr><tr><td><b>Phone:</b></td><td>B6</td></tr><tr><td><b>Email:</b></td><td>B6</td></tr></table>	<b>Name:</b>	B6	<b>Phone:</b>	B6	<b>Email:</b>	B6	<b>Address:</b>	<table border="1"><tr><td><b>B6</b></td></tr><tr><td>United States</td></tr></table>	<b>B6</b>	United States
<b>Owner Information provided:</b>	Yes														
<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td>B6</td></tr><tr><td><b>Phone:</b></td><td>B6</td></tr><tr><td><b>Email:</b></td><td>B6</td></tr></table>	<b>Name:</b>	B6	<b>Phone:</b>	B6	<b>Email:</b>	B6								
<b>Name:</b>	B6														
<b>Phone:</b>	B6														
<b>Email:</b>	B6														
<b>Address:</b>	<table border="1"><tr><td><b>B6</b></td></tr><tr><td>United States</td></tr></table>	<b>B6</b>	United States												
<b>B6</b>															
United States															
<b>Healthcare Professional Information:</b>	<table border="1"><tr><td><b>Practice Name:</b></td><td>Tufts Cummings School of Veterinary Medicine</td></tr><tr><td><b>Contact:</b></td><td><table border="1"><tr><td><b>Name:</b></td><td>Lisa Freeman</td></tr><tr><td><b>Phone:</b></td><td>(508) 887-4523</td></tr></table></td></tr></table>	<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine	<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td>Lisa Freeman</td></tr><tr><td><b>Phone:</b></td><td>(508) 887-4523</td></tr></table>	<b>Name:</b>	Lisa Freeman	<b>Phone:</b>	(508) 887-4523						
<b>Practice Name:</b>	Tufts Cummings School of Veterinary Medicine														
<b>Contact:</b>	<table border="1"><tr><td><b>Name:</b></td><td>Lisa Freeman</td></tr><tr><td><b>Phone:</b></td><td>(508) 887-4523</td></tr></table>	<b>Name:</b>	Lisa Freeman	<b>Phone:</b>	(508) 887-4523										
<b>Name:</b>	Lisa Freeman														
<b>Phone:</b>	(508) 887-4523														

			<b>Email:</b> lisa.freeman@tufts.edu
		<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States
<b>Sender Information:</b>	<b>Name:</b>	Lisa Freeman	
	<b>Address:</b>	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	<b>Contact:</b>	<b>Phone:</b>	5088874523
		<b>Email:</b>	lisa.freeman@tufts.edu
	<b>Permission To Contact Sender:</b>	Yes	
<b>Preferred Method Of Contact:</b>	Email		
<b>Additional Documents:</b>	<b>Attachment:</b>	rpt_medical_record_preview.pdf	
	<b>Description:</b>	<b>B6</b>	medical records
	<b>Type:</b>	Medical Records	

**From:** Related PFR Event <pfrsignificantactivitycreation@fda.hhs.gov>  
**To:** Carey, Lauren; Cleary, Michael \*; HQ Pet Food Report Notification;  
B6  
**Sent:** 1/23/2019 10:32:40 PM  
**Subject:** Honest Kitchen Grain Free Beef Recipe (Love) B6 EON-377314  
**Attachments:** 2061661-report.pdf; 2061661-attachments.zip

A PFR Report has been received and Related PFR Event [EON-377314] has been created in the EON System.

A "PDF" report by name "2061661-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2061661-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-377314

**ICSR #:** 2061661

**EON Title:** Related PFR Event created for Honest Kitchen Grain Free Beef Recipe (Love), Honest Kitchen Grain Free Turkey Recipe (Embark), Honest Kitchen Dehydrated Grain Free Veggie Nut & Seed Base Mix (Kindly), TruDog FEED ME Crunchy Mun.; 2061661

<b>AE Date</b>	07/11/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Recovered Completely
<b>Breed</b>	Pointing Dog - Hungarian Short-haired (Vizsla)		
<b>Age</b>	5 Years		
<b>District Involved</b>	PFR- <span style="border: 1px dashed black; padding: 2px;">B6</span> DO		

**Product information**

**Individual Case Safety Report Number:** 2061661

**Product Group:** Pet Food

**Product Name:** Honest Kitchen Grain Free Beef Recipe (Love), Honest Kitchen Grain Free Turkey Recipe (Embark), Honest Kitchen Dehydrated Grain Free Veggie, Nut & Seed Base Mix (Kindly), TruDog FEED ME Crunchy Munchy Beef Bonanza

**Description:** Diagnosed with mild dilated cardiomyopathy, sinus bradycardia, first degree AV block; found to have taurine deficiency based on analysis of whole blood: **B6** nmol/mL). Update 10/22/18: Recheck whole blood taurine after diet change and oral supplementation: **B6** mol/nL Update 1/8/19: Unremarkable echocardiogram; DCM resolved

**Submission Type:** Followup

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Recovered Completely

**Number of Animals Treated With Product:** 1

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Honest Kitchen Grain Free Turkey Recipe (Embark)		
Honest Kitchen Dehydrated Grain Free Veggie, Nut & Seed Base Mix (Kindly)		
TruDog FEED ME Crunchy Munchy Beef Bonanza		
Honest Kitchen Grain Free Beef Recipe (Love)		

This report is linked to:

**Initial EON Event Key:** EON-362411

**Initial ICSR:** 2053786

**Sender information**

**B6**

USA

**Owner information**

**B6**

USA

To view this Related PFR Event, please click the link below:

**B6**

To view the Related PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-377314**

<b>ICSR:</b>	2061661
<b>Type Of Submission:</b>	Followup
<b>Report Version:</b>	FPSR.FDA.PETF.V.V1
<b>Type Of Report:</b>	Adverse Event (a symptom, reaction or disease associated with the product)
<b>Reporting Type:</b>	Voluntary
<b>Report Submission Date:</b>	2019-01-23 17:25:12 EST
<b>Initial Report Date:</b>	08/15/2018
<b>Parent ICSR:</b>	2053786
<b>Follow-up Report to FDA Request:</b>	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	Diagnosed with mild dilated cardiomyopathy, sinus bradycardia, first degree AV block; found to have taurine deficiency based on analysis of whole blood: <b>B6</b> nmol/mL). Update 10/22/18: Recheck whole blood taurine after diet change and oral supplementation: <b>B6</b> nmol/mL Update 1/8/19: Unremarkable echocardiogram; DCM resolved
	<b>Date Problem Started:</b>	07/11/2018
	<b>Date of Recovery:</b>	01/08/2019
	<b>Concurrent Medical Problem:</b>	Yes
	<b>Pre Existing Conditions:</b>	Other medical history includes: eosinophilic bronchopneumopathy, overweight, suspected atopic dermatitis
	<b>Outcome to Date:</b>	Recovered Completely

<b>Product Information:</b>	<b>Product Name:</b>	TruDog FEED ME Crunchy Munchy Beef Bonanza		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>			
	<b>Package Type:</b>	BAG		
	<b>Possess Unopened Product:</b>	No		
	<b>Possess Opened Product:</b>	No		
	<b>Product Use Information:</b>	<b>Description:</b>	Fed in combination with Honest Kitchen vegetarian premix	
		<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes	
		<b>Adverse Event Abate After Product Stop:</b>	Unknown	
		<b>Product Use Started Again:</b>	Unknown	
		<b>Perceived Relatedness to Adverse Event:</b>	Possibly related	
		<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Yes	
		<b>Manufacturer /Distributor Information:</b>		
	<b>Purchase Location Information:</b>			
<b>Product Name:</b>	Honest Kitchen Dehydrated Grain Free Veggie, Nut & Seed Base Mix (Kindly)			
<b>Product Type:</b>	Pet Food			

<b>Lot Number:</b>		
<b>Package Type:</b>	BOX	
<b>Possess Unopened Product:</b>	No	
<b>Possess Opened Product:</b>	No	
<b>Product Use Information:</b>	<b>Description:</b>	Rehydrated and fed as main diet in rotation with other foods; fed in combination with 85% lean ground beef or Trudog raw beef diet
	<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes
	<b>Adverse Event Abate After Product Stop:</b>	Unknown
	<b>Product Use Started Again:</b>	Unknown
	<b>Perceived Relatedness to Adverse Event:</b>	Probably related
	<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Yes
<b>Manufacturer /Distributor Information:</b>		
<b>Purchase Location Information:</b>		
<b>Product Name:</b>	Honest Kitchen Grain Free Turkey Recipe (Embark)	
<b>Product Type:</b>	Pet Food	
<b>Lot Number:</b>		
<b>Package Type:</b>	BOX	
<b>Possess Unopened Product:</b>	No	
<b>Possess Opened Product:</b>	No	
<b>Product Use Information:</b>	<b>Description:</b>	Rehydrated and fed as main diet in rotation with other foods
	<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes
	<b>Adverse Event Abate After Product Stop:</b>	Unknown
	<b>Product Use Started Again:</b>	No
	<b>Perceived Relatedness to Adverse Event:</b>	Probably related
	<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Yes
<b>Manufacturer /Distributor Information:</b>		
<b>Purchase Location</b>		

	<b>Information:</b>															
	<b>Product Name:</b>	Honest Kitchen Grain Free Beef Recipe (Love)														
	<b>Product Type:</b>	Pet Food														
	<b>Lot Number:</b>															
	<b>Package Type:</b>	BOX														
	<b>Possess Unopened Product:</b>	No														
	<b>Possess Opened Product:</b>	No														
	<b>Storage Conditions:</b>	Unsure. Owner still has product at home but I do not have any samples of the product.														
	<b>Product Use Information:</b>	<table border="1"> <tr> <td><b>Description:</b></td> <td>Rehydrated and fed as part of main diet (in rotation with other products)</td> </tr> <tr> <td><b>Product Use Stopped After the Onset of the Adverse Event:</b></td> <td>Yes</td> </tr> <tr> <td><b>Adverse Event Abate After Product Stop:</b></td> <td>Unknown</td> </tr> <tr> <td><b>Product Use Started Again:</b></td> <td>No</td> </tr> <tr> <td><b>Perceived Relatedness to Adverse Event:</b></td> <td>Probably related</td> </tr> <tr> <td><b>Other Foods or Products Given to the Animal During This Time Period:</b></td> <td>Yes</td> </tr> </table>	<b>Description:</b>	Rehydrated and fed as part of main diet (in rotation with other products)	<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes	<b>Adverse Event Abate After Product Stop:</b>	Unknown	<b>Product Use Started Again:</b>	No	<b>Perceived Relatedness to Adverse Event:</b>	Probably related	<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Yes		
<b>Description:</b>	Rehydrated and fed as part of main diet (in rotation with other products)															
<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes															
<b>Adverse Event Abate After Product Stop:</b>	Unknown															
<b>Product Use Started Again:</b>	No															
<b>Perceived Relatedness to Adverse Event:</b>	Probably related															
<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Yes															
	<b>Manufacturer /Distributor Information:</b>															
	<b>Purchase Location Information:</b>															
<b>Animal Information:</b>	<b>Name:</b>	B6														
	<b>Type Of Species:</b>	Dog														
	<b>Type Of Breed:</b>	Pointing Dog - Hungarian Short-haired (Vizsla)														
	<b>Gender:</b>	Male														
	<b>Reproductive Status:</b>	Neutered														
	<b>Age:</b>	5 Years														
	<b>Assessment of Prior Health:</b>	Unknown														
	<b>Number of Animals Given the Product:</b>	1														
	<b>Number of Animals Reacted:</b>	1														
	<b>Owner Information:</b>	<table border="1"> <tr> <td><b>Owner Information provided:</b></td> <td>Yes</td> </tr> <tr> <td><b>Contact:</b></td> <td> <table border="1"> <tr> <td><b>Name:</b></td> <td>B6</td> </tr> <tr> <td><b>Phone:</b></td> <td>B6</td> </tr> <tr> <td><b>Email:</b></td> <td>B6</td> </tr> </table> </td> </tr> <tr> <td><b>Address:</b></td> <td> <table border="1"> <tr> <td>B6</td> </tr> <tr> <td>United States</td> </tr> </table> </td> </tr> </table>	<b>Owner Information provided:</b>	Yes	<b>Contact:</b>	<table border="1"> <tr> <td><b>Name:</b></td> <td>B6</td> </tr> <tr> <td><b>Phone:</b></td> <td>B6</td> </tr> <tr> <td><b>Email:</b></td> <td>B6</td> </tr> </table>	<b>Name:</b>	B6	<b>Phone:</b>	B6	<b>Email:</b>	B6	<b>Address:</b>	<table border="1"> <tr> <td>B6</td> </tr> <tr> <td>United States</td> </tr> </table>	B6	United States
<b>Owner Information provided:</b>	Yes															
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<b>Address:</b>	<table border="1"> <tr> <td>B6</td> </tr> <tr> <td>United States</td> </tr> </table>	B6	United States													
B6																
United States																



Healthcare Professional Information:	Practice Name:	B6	
	Contact:	Name: B6	
		Phone: B6	
		Email: B6	
	Address:	B6	
		United States	
	Type of Veterinarian:	Referred veterinarian	
	Date First Seen:	08/08/2018	
	Permission to Release Records to FDA:	Yes	
	Practice Name:	B6	
		Contact:	Name: B6
			Phone: B6
Email: B6			
Address:		B6	
		United States	
Type of Veterinarian:		Referred veterinarian	
Date First Seen:		07/11/2018	
Permission to Release Records to FDA:		Yes	
Practice Name:		B6	
		Contact:	Name: B6
			Phone: B6
	Email: B6		
	Address:	B6	
		United States	
	Type of Veterinarian:	Primary/regular veterinarian	
	Sender Information:	Name:	B6
		Address:	B6
			United States
		Contact:	Phone: B6
			Email: B6
Permission To Contact Sender:		Yes	
Preferred Method Of Contact:	Email		
Reported to Other Parties:	Other		
Additional Documents:			

<b>Attachment:</b>	<b>B6</b>	Medical history 2018-10-10 to 2019-01-23.pdf
<b>Description:</b>	<b>B6</b>	medical records 10-2018 through 1-2019
<b>Type:</b>	Medical Records	
<b>Attachment:</b>	<b>B6</b>	_2019-01-23_ECG.pdf
<b>Description:</b>	1/2019 ECG	
<b>Type:</b>	Medical Records	
<b>Attachment:</b>	<b>B6</b>	_2019-01-23_ <b>B6</b> Recs 12-5-18-1-9-19.pdf
<b>Description:</b>	Additional primary care veterinarian records <b>B6</b>	
<b>Type:</b>	Medical Records	

118797

1/8/2019

10:49:00 AM

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**B6**

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1/8/2019

10:48:00 AM

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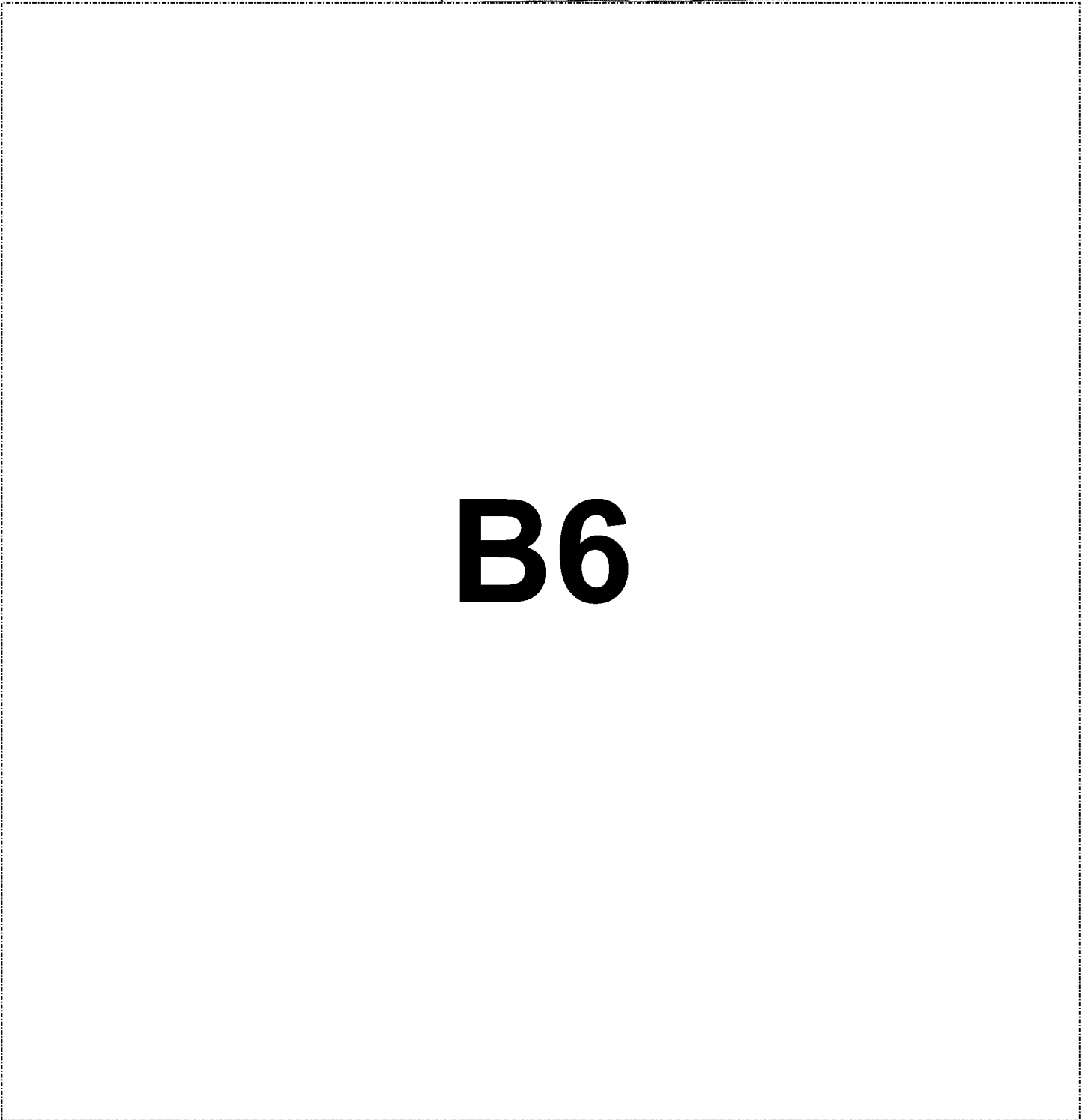
NAME I  
NAME C  
SPAYE

B6

SS  
EEC  
—  
—

B6 (Canine)  
Breed: Vizsla Mix  
Color: Chocolate Wt: 69.4 pounds  
Sex: Neutered Male D.O.B. B6

AGE



B6

OWNER

PET'S NAME

TEMPERAMENT

© 2019 Fort Dodge Animal Health Division. All Rights Reserved. For Questions, Call 800-242-2770. 2019-05-09 10:11:14

B6

B6

B6

ADDRESS

BREED

B6 Canine)  
Breed: Vizsla Mix  
Color: Chocolate Wt: 69.4 pounds  
Sex: Neutered Male D.O.B. B6

AGE

B6

B6

B6  
TEMPERAMENT

B6

B6

NAME C

B6

NAME C

SPAYED

SS

B6 (Canine)

Breed: Vizsla Mix

ED

Color: Chocolate Wt: 80 pounds

Sex: Neutered Male

D.O.B.

B6

SE

B6





B6

B6

B6

ADDRESS

BREED

B6 (Canine)

Breed: Vizsla Mix

Color: Chocolate Wt: 60 pounds

Sex: Neutered Male

D.O.B.

B6

B6

PET'S NAME

**B6**

**B6**

### MEDICAL HISTORY

10-Oct-2018 to 23-Jan-2019

#### Client

**B6**  
Home: **B6**

#### Patient

**B6** **B6**  
Canine  
Mixed Breed; Vizsla  
Brown  
Male / Neutered - 65.1 lb (23-Jan-2019)

Most recent visit date: **B6**  
Microchip No.: n/a  
Rabies tag ID / date : n/a

Patient Alerts: n/a

Current medical overview: as of **B6**

#### Weight by Age

Wt.

Record date

**B6**

**B6**

23-Jan-2019  
08-Jan-2019  
10-Oct-2018

#### Active Concerns

Established

n/a

#### Inactive Concerns

Established

**B6**

#### Resolved Concerns (since 10-Oct-2018)

Established Resolved

Concern	Established	Resolved
Prednisone toxicity	10-Oct-2018	10-Oct-2018
Pruritus	10-Oct-2018	10-Oct-2018
Taurine deficiency	10-Oct-2018	22-Oct-2018
Dilated cardiomyopathy	10-Oct-2018	23-Jan-2019
First-degree AV heart block	10-Oct-2018	23-Jan-2019
Overweight	10-Oct-2018	23-Jan-2019

#### Medications (since 23-Jan-2018)

Amount Disp. Date

**B6** **Early Cardiac K9 7.7lb** 1.00 bag 19-Sep-2018  
Feed as directed.

**Outpatient visit (10-Oct-2018 to 10-Oct-2018)**

Appointment Type: **Recheck** Provider: **B6** **DVM, DACVN** Sex / age / weight: **Male - Neutered** / **B6** **31.5 kg** (10-Oct-2018)

**Concerns (Problem List)**

Active

- **Taurine deficiency** (10-Oct-2018)
- **Dilated cardiomyopathy** (10-Oct-2018)
- **Overweight** (10-Oct-2018)

Inactive

**B6**

**B6** **Exam** **B6** **DVM, DACVN**

14:18

VITALS

	Temp (F)	HR	RR	SBP	CRT	MM color	Pain	BCS
14:18	101.5	100	28	--	< 2	Pink	0	6

CLIENT INTERVIEW

- Presenting concerns
- Medication history
- Diet history

**DCM, overweight - progress evaluation** - Initial consult 8/15/18, last recheck 9/5/18

**Flovent** - Q24h; Prednisone - absent - History of adverse reaction to prednisone

**Diet history** -

Current Diet: Royal Canin Veterinary Diet Early Cardiac dry (309 kcal/cup) - 1.5 cups 2x/day = 927 kcal/day. 50 mg Na/100 kcal = 464 mg Na/day

Previous Diets:

- Rotation between various flavors: Honest Kitchen Grain Free Beef, 1.5 cups 2x/day. 514 kcal/cup (rehydrated; kcal/cup for dry measure not provided) // Honest Kitchen Grain Free Turkey, 1.5 cups 2x/day. 488 kcal/cup // Honest Kitchen Grain Free Vegetarian premix, 1.5 cups 2x/day; 370 kcal/cup, WITH added 85% lean ground beef or TruDog raw beef diet (3/4 cup 2x/day)
- Taste of the Wild Salmon. Has avoided chicken/duck-based diets.

Treats:

- Zuke's Mini Naturals (3 kcal/treat) 2/day = 6 kcal/day
- VeggieDent chews, 102 kcal/treat, 4-5/week = ~68 kcal/day
- Cooked egg, 80 kcal/egg, 2-3/week = ~29 kcal/day
- Imagine pumpkin soup, 1/2 cup diluted with water/day. 60 kcal/cup, 590 mg Na/cup = 983 mg/100 kcal. 30 kcal/day, ~300 mg Na/day (total diet: 50 --> 74 mg Na/100 kcal)
- egg (1/week), Newman's Own chicken flavor treats 3/day, vegetable soup, bully stick, carrot, pear.
- Hx taco cheese (1/4 handful 2x/day), salmon skin treats, raw or cooked egg (1-2/week), peanut butter (1/tsp/pill), pumpkin

Supplements:

- Now Foods taurine 1000 mg PO q12h
- Hx Fortiflora 1 packet/day - stool quality fine without probiotic
- Hx Nutritional yeast - discontinued

Daily Calorie Intake: 1057 kcal/day (1.24\*RERideal), with 927 kcal/day from main diet + ~130 kcal/day from treats

Diagnostic history

**Summary of prior diagnostics** -

07/11/18: Echocardiogram: Mild DCM. Mild moderate myocardial failure of LV, no eccentric hypertrophy on LV. No LAE. No MR. Right heart normal in size. No pleural effusion, pericardial effusion, or ascites. ECG: HR 70 bpm, sinus bradycardia, first degree AV block. BP #3 RPL 160, 145, 145 mmHg (HR 80).

07/11/18: Whole blood taurine: 148 nmol/ml (200-350)

History

**General history** - Hx eosinophilic bronchopneumopathy - in remission. Bradycardia, first degree AV block. Mild DCM, taurine deficiency. Owner reports **B6** is doing well; has had fewer walks lately (owner was caring for friend in hospice). Owner had detailed phone interview with

\*Documents are available as separate attachments or files.

10-Oct-2018 Exam

**B6**

DVM, DACVN

14:18

FDA investigator to confirm history and provide additional information.

Weight history

**B6**

EXAM FINDINGS

**B6**

ASSESSMENTS

**B6**

**Dilated cardiomyopathy**

Mild

**Taurine deficiency**

07/11/18: Whole blood, **B6** μmol/mL

**B6**

\*Documents are available as separate attachments or files.

10-Oct-2018 Exam

**B6**

DVM, DACVN

14:18 **Prednisone toxicity**

PLANS

**Taurine deficiency, Dilated cardiomyopathy, Overweight**

- Happy with weight progress! Losing weight within goal range. Can either continue with current diet plan, or consider transition to lower-calorie options from initial plan if volume of food seems too low. Make sure to track treat allowance adherence - currently slightly over.
- Submitted recheck whole blood taurine to UC Davis to assess progress.
- Scheduled for recheck echo in 1/08/19 at 10:15 am.
- Plan to email taurine update and discharge instructions within the next week.

10-Oct-2018 Order items

- Nutrition Reassessment [3.50]: 1.00 each
- Taurine Level UCD [127.27]: 1.00 test
  - Shipping/Handling \$20 [44.93]: 1.00 each

**Non-visit note**

Provider: **B6** DVM, DACVN Sex / age / weight: **Male - Neutered** / **B6** / 29.4 kg (08-Jan-2019)

**Concerns** (Problem List)

- |  |  |
|--|--|
| Active                                 | Resolved   |
| • Dilated cardiomyopathy (10-Oct-2018) | • <b>Taurine deficiency</b> (10-Oct-2018 to 22-Oct-2018) |
| • Overweight (10-Oct-2018)             |  |

22-Oct-2018 Progress note

**B6**

DVM, DACVN

17:40

ASSESSMENTS

**Taurine deficiency**

Resolved  
 Initial whole blood taurine level (07/11/18): **B6** mol/ml  
 Recheck whole blood taurine after diet change and oral supplementation (10/22/18): **B6** mol/mL  
 Normal whole blood taurine >250 nmol/L

**Documents\***

22-Oct-2018 **B6** 2019-01-23\_Taurine Results from Amino Acid Lab .pdf

**Echocardiogram report**

08-Jan-2019 Echocardiogram

**B6**

DVM, DACVIM, PhD Cardiology

10:00 Order item: Echocardiogram Recheck [23.39]

Findings

**B6**

\*Documents are available as separate attachments or files.

**MEDICAL HISTORY:** 10-Oct-2018 to 23-Jan-2019



**Echocardiographic diagnosis:** unremarkable echocardiogram

**Electrocardiogram report**

**08-Jan-2019 Electrocardiogram** **B6** **DVM, DACVIM, PhD Cardiology**

**10:00** Order item: ECG Complete [39.58]

Report 6 lead Electrocardiogram:  
Heart rate: 92 bpm  
Rhythm: sinus arrhythmia

**Outpatient visit (08-Jan-2019 to 08-Jan-2019)**

Appointment Type: **Exam Consultation** **B6** Provider: **B6**, **DVM, DACVIM, PhD Cardiology** Sex / age / weight: **Male - Neutered** / **B6** / **29.4 kg** (08-Jan-2019)

**Concerns (Problem List)**

- Active
• Dilated cardiomyopathy (10-Oct-2018)
• Overweight (10-Oct-2018)

**08-Jan-2019 Exam** **B6** **DVM, DACVIM, PhD Cardiology**

**10:08** Assisted by **B6** **B6**

VITALS table with columns: Temp (F), HR, RR, SBP, CRT, MM color, Pain, BCS. Values: 100.8, 98, 30, --, < 2, Pink, --, 5.

**CLIENT INTERVIEW**

Presenting concerns Recheck
Diet history Prescription diet - Royal Canine veterinary diet early cardiac dry with cooked eggs
Medication history Prescription medications - Taurine 1,000 mg - BID
Respiratory history B6 SID
No cough; Respiratory effort - Normal; Sleeping respiratory rate - Not doing RR

\*Documents are available as separate attachments or files.

08-Jan-2019 Exam  
10:08

[B6] DVM, DACVIM, PhD Cardiology

Assisted by: [B6] [B6]

Activity and exercise history No exercise intolerance; No syncope  
Digestive history No vomiting/diarrhea  
Appetite history Normal appetite

EXAM FINDINGS

[B6]

ASSESSMENTS

**Dilated cardiomyopathy**

Resolved myocardial failure after switching diet to diet with grains and taurine supplementation. Recommend life long taurine supplementation. Prognosis is good at this time, but it is possible myocardial failure could re-emerge, so recommend rechecking echocardiogram in 1 year. Discussed that may not require such a low salt cardiac diet as currently feeding, recommend general adult diet with grains.

PLANS

**Dilated cardiomyopathy**

Continue taurine 1 G PO BID  
echocardiogram 1 year

08-Jan-2019 Order items

- Cardiology Reassessment [3.22]: 1.00 each
- Echocardiogram Recheck [23.39]: 1.00 proc
  - Specialty Interpretation of US Study Limited [23.139]: 1.00 proc
- ECG Complete [39.58]: 1.00 proc

Documents\*

- 08-Jan-2019 • [B6] 2019-01-23\_ECG.pdf
- [B6] 2019-01-23 [B6] Recs 12-5-18-1-9-19.pdf
- [B6] 2019-01-23\_Echo Report 7-11-18.pdf

Communication logs

	Source	From	To	Created by/date
16-Jan-2019 19:10	Email	[B6] DVM, DACVN <b>Recommend continuing taurine supplementation as per [B6] instructions</b> From: [B6]	[B6]	[B6] /16-Jan-2019

\*Documents are available as separate attachments or files.

[B6] [B6] [B6]



Source	From	To	Created by/date
	Sent: Wednesday, January 16, 2019 7:09 PM		
	To: <b>B6</b>		
	Subject: Update on: <b>B6</b>		

Hi **B6**

I'm glad to hear that we saw great results at **B6** most recent recheck with **B6** and that both his heart and weight have improved. I agree with **B6** recommendations regarding continued taurine supplementation. You can continue with his current main diet long-term if desired; if you'd like additional options or further dietary recommendations, I'd be happy to see you and **B6** for another recheck.

Best,

**B6** DVM, DACVN  
**B6**  
**B6**

**Outpatient visit** (23-Jan-2019 to 23-Jan-2019)

Appointment Type: **Recheck** Provider: **B6** **DVM, DACVN** Sex / age / weight: **Male - Neutered** **B6** / **65.1 lb** (23-Jan-2019)

**Concerns** (Problem List)

Resolved

- **First-degree AV heart block** (10-Oct-2018 to 23-Jan-2019)
- **Overweight** (10-Oct-2018 to 23-Jan-2019)
- **Taurine deficiency** (10-Oct-2018 to 22-Oct-2018)
- **Dilated cardiomyopathy** (10-Oct-2018 to 23-Jan-2019)

**23-Jan-2019 Exam**

**B6** **DVM, DACVN**

10:27

VITALS

	Temp (F)	HR	RR	SBP	CRT	MM color	Pain	BCS
10:27	101.8	<b>150</b>	30	--	< 2	Pink	0	5

CLIENT INTERVIEW

Diet history

**Diet history -**

Current Diet:

- Royal Canin Veterinary Diet Early Cardiac dry (309 kcal/cup) - 1.5 cups 2x/day = 927 kcal/day. 50 mg Na/100 kcal = 464 mg Na/day.
- Transitioning to Royal Canin Large Adult dry (OTC) but unsure how much to feed.
- Taste of the Wild lamb/turkey canned ~1 tbsp with meals

Previous Diets:

- Rotation between various flavors: Honest Kitchen Grain Free Beef, 1.5 cups 2x/day. 514 kcal/cup (rehydrated; kcal/cup for dry measure not provided) // Honest Kitchen Grain Free Turkey, 1.5 cups 2x/day. 488 kcal/cup // Honest Kitchen Grain Free Vegetarian premix, 1.5 cups 2x/day; 370 kcal/cup, WITH added 85% lean ground beef or TruDog raw beef diet (3/4 cup 2x/day)
- Taste of the Wild Salmon. Has avoided chicken/duck-based diets.

Treats:

- Zuke's Mini Naturals (3 kcal/treat) 2/day = 6 kcal/day
- VeggieDent chews, 102 kcal/treat, 4-5/week = ~68 kcal/day
- Cooked egg, 80 kcal/egg, 1/2 egg 1-2/week = ~9 kcal/day
- Discontinued treats: Imagine pumpkin soup, 1/2 cup diluted with water/day. 60 kcal/cup, 590 mg Na/cup = 983 mg/100 kcal. 30 kcal/day, ~300 mg Na/day (total diet: 50 --> 74 mg Na/100

\*Documents are available as separate attachments or files.

**B6**  
**B6** **B6**

23-Jan-2019 Exam

**B6**

DVM, DACVN

10:27

kcal); Newman's Own chicken flavor treats 3/day, vegetable soup, bully stick, carrot, pear, Hx taco cheese (1/4 handful 2x/day), salmon skin treats, raw or cooked egg (1-2/week), peanut butter (1/tsp/pill), pumpkin

Supplements:

- Now Foods taurine 1000 mg PO q12h
- Hx Fortiflora 1 packet/day - stool quality fine without probiotic
- Hx Nutritional yeast - discontinued

Daily Calorie Intake: 1010 kcal/day (1.1\*REERideal), with 927 kcal/day from main diet + ~83 kcal/day from treats

Diagnostic history

**Summary of prior diagnostics -**

07/11/18: Echocardiogram: Mild DCM. Mild moderate myocardial failure of LV, no eccentric hypertrophy on LV. No LAE. No MR. Right heart normal in size. No pleural effusion, pericardial effusion, or ascites. ECG: HR 70 bpm, sinus bradycardia, first degree AV block. BP #3 RPL 160, 145, 145 mmHg (HR 80).

07/11/18: Whole blood taurine: **B6** nmol/ml (200-350)

10/22/18: Whole blood taurine: **B6** nmol/mL (normal range >250)

01/08/19: Echocardiogram - unremarkable; no DCM noted. ECG - sinus arrhythmia.

History

Weight history

**B6**

Medication history

Presenting concerns

**DCM, overweight - progress evaluation** - Initial consult 8/15/18, last recheck 10/10/18

EXAM FINDINGS

**B6**

\*Documents are available as separate attachments or files.

23-Jan-2019 Exam

**B6**

DVM, DACVN

10:27

**B6**

ASSESSMENTS

**Overweight**

Weight 29.6 kg = 65.1 lbs, BCS 5.5/9  
RER for current weight = 888 kcal/day

**Dilated cardiomyopathy, First-degree AV heart block, Taurine deficiency**

FDA Individual Case Safety Report Number (ICSR) of 2053786

PLANS

**Overweight, Dilated cardiomyopathy, Taurine deficiency**

- Discussed happy with weight loss progress; okay to lose a few more pounds (initial estimated ideal weight was ~62 lbs) but okay to maintain at current weight given past history of cardiac changes; would not recommend weight gain.
- Agree with **B6** recommendation to continue long-term taurine supplementation.
- Current OTC dry diet sounds like a good choice; can also offer additional OTC options meeting our goals: low calorie, avoid very high salt (but restriction to very low salt diets is unnecessary), conventional ingredients, reputable manufacturer. Can look at both canned and dry diets. Ok to use current treats as long as we remain within a ~10% treat allowance. Discussed that continued fish oil supplementation is optional.
- If doing well and maintaining weight, continue monitoring and follow up per **B6** instructions. Additional nutrition rechecks can be scheduled if there are any questions/concerns/changes in medical status, but otherwise ok to continue care with primary care veterinarian and **B6**.
- Will follow up with FDA to ask about sample submission, paying for echo, etc. Discussed possible delay in response due to gov't shutdown.
- Suggested changing to softer harness if collar/leash may be rubbing against **B6** neck; if hypotrichosis persists/worsens or if **B6** is pruritic, recommend following up with primary care veterinarian and/or dermatologist.
- Discharges to follow by email.

23-Jan-2019 Order items

- Nutrition Reassessment [3.50]: 1.00 each

\*Documents are available as separate attachments or files.

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 1/3/2019 1:24:36 AM  
**Subject:** Horizon Pulsar Chicken Flavor Dog Kibble; [B6] - EON-375244  
**Attachments:** 2060788-report.pdf; 2060788-attachments.zip

A PFR Report has been received and PFR Event [EON-375244] has been created in the EON System.

A "PDF" report by name "2060788-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060788-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-375244

**ICSR #:** 2060788

**EON Title:** PFR Event created for Horizon Pulsar Chicken Flavor Dog Kibble; 2060788

<b>AE Date</b>	08/12/2018	<b>Number Fed/Exposed</b>	
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Stable
<b>Breed</b>	Mixed (Dog)		
<b>Age</b>	8 Years		
<b>District Involved</b>	PFR- [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2060788

**Product Group:** Pet Food

**Product Name:** Horizon Pulsar Chicken Flavor Dog Kibble

**Description:** Initially presented to the [B6] for a 4 to 5 day history of lethargy, increased RR and ADR. Had been fed a grain-free diet for an extended period of time. Was evaluated by the Cardiology Service and diagnosed with decreased systolic function and secondary heart enlargement. Chest x-rays from the rDVM raised suspicion for congestive heart failure. However, repeat chest x-rays at [B6] showed no evidence of CHF. During his hospitalization, [B6] experienced a syncopal episode secondary due to a run of ventricular tachycardia. He was started on heart failure therapy (pimobendan, furosemide, spironolcatone, enalapril) as well

as taurine supplementation and an anti-arrhythmic (sotalol). He was initially started on L-carnitine as well, but this medication caused GI side effects and was discontinued.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Stable

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Horizon Pulsar Chicken Flavor Dog Kibble		

**Sender information**

**B6**

USA

**Owner information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-375244**

<b>ICSR:</b>	2060788
<b>Type Of Submission:</b>	Initial
<b>Report Version:</b>	FPSR.FDA.PETF.V.V1
<b>Type Of Report:</b>	Adverse Event (a symptom, reaction or disease associated with the product)
<b>Reporting Type:</b>	Voluntary
<b>Report Submission Date:</b>	2019-01-02 20:15:15 EST

<b>Reported Problem:</b>	<b>Problem Description:</b>	Initially presented to the [B6] Service for a 4 to 5 day history of lethargy, increased RR and AD. Had been fed a grain-free diet for an extended period of time. Was evaluated by the Cardiology Service and diagnosed with decreased systolic function and secondary heart enlargement. Chest x-rays from the rDVM raised suspicion for congestive heart failure. However, repeat chest x-rays at [B6] showed no evidence of CHF. During his hospitalization [B6] experienced a syncopal episode secondary due to a run of ventricular tachycardia. He was started on heart failure therapy (pimobendan, furosemide, spironolcatone, enalapril) as well as taurine supplementation and an anti-arrhythmic (sotalol). He was initially started on L-carnitine as well, but this medication caused GI side effects and was discontinued.
	<b>Date Problem Started:</b>	08/12/2018
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Stable

<b>Product Information:</b>	<b>Product Name:</b>	Horizon Pulsar Chicken Flavor Dog Kibble		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>			
	<b>Package Type:</b>	BAG		
	<b>Purchase Date:</b>	06/01/2018		
	<b>Possess Unopened Product:</b>	Unknown		
	<b>Possess Opened Product:</b>	Unknown		
	<b>Product Use Information:</b>	<b>Description:</b>	Fed to the pet for approximately 6 years	
		<b>Time Interval between Product Use and Adverse Event:</b>	6 Years	
		<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes	
		<b>Adverse Event Abate After Product Stop:</b>	Unknown	
		<b>Product Use Started Again:</b>	No	
		<b>Perceived Relatedness to Adverse Event:</b>	Probably related	
<b>Manufacturer /Distributor Information:</b>				
<b>Purchase Location Information:</b>				

<b>Animal Information:</b>	<b>Name:</b>	[B6]
	<b>Type Of Species:</b>	Dog
	<b>Type Of Breed:</b>	Mixed (Dog)
	<b>Gender:</b>	Male

	<b>Reproductive Status:</b>	Neutered	
	<b>Weight:</b>	21 Kilogram	
	<b>Age:</b>	8 Years	
	<b>Assessment of Prior Health:</b>	Excellent	
	<b>Number of Animals Reacted:</b>	1	
	<b>Owner Information:</b>	<b>Owner Information provided:</b>	Yes
		<b>Contact:</b>	<b>Name:</b> B6
			<b>Phone:</b> B6
			<b>Other Phone:</b> B6
			<b>Email:</b> B6
<b>Address:</b>	B6 United States		
<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6	
	<b>Contact:</b>	<b>Name:</b> B6	
		<b>Phone:</b> B6	
		<b>Email:</b> B6	
	<b>Address:</b>	B6 United States	
<b>Sender Information:</b>	<b>Name:</b>	B6	
	<b>Address:</b>	B6 United States	
	<b>Contact:</b>	<b>Phone:</b>	B6
		<b>Email:</b>	B6
	<b>Permission To Contact Sender:</b>	Yes	
	<b>Preferred Method Of Contact:</b>	Email	
	<b>Reported to Other Parties:</b>	None	
<b>Additional Documents:</b>	<b>Attachment:</b>	B6 Troponin and Taurine Levels.pdf	
	<b>Description:</b>	Lab results (taurine and troponin)	
	<b>Type:</b>	Laboratory Report	
	<b>Attachment:</b>	B6 Most Recent Discharge.pdf	
	<b>Description:</b>	Recheck discharge instructions	
	<b>Type:</b>	Medical Records	
	<b>Attachment:</b>	B6 Initial Discharge.pdf	
	<b>Description:</b>	Initial discharge instructions	
	<b>Type:</b>	Medical Records	
	<b>Attachment:</b>	B6 Echo Report.pdf	



**Description:** Echocardiogram report

**Type:** Echocardiogram

B6

B6

Name: B6	MRN: B6	Visit Number: 01
Study Date: B6 09:17 AM	Breed: MIXB	Ordering Physician: B6 DVM, Dipl. ACVIM (Cardiology)
DOB: B6	Species: Canine	Weight: 21.2 kg Referring Physician: B6
Age: 7 yrs	Gender: Male	

**Chief Concerns/Major History**

Patient presented to the Emergency service for evaluation of a 4-5 day history of lethargy, increased respiratory rate, and being ADR. Evaluated by his primary care veterinarian last night, at which time heart murmur was noted, and thoracic radiographs and blood work were performed. Reportedly, blood work showed elevated liver values and an increased hematocrit. He was started on B6 mg PO BID last night. Upon presentation to the Emergency service, he was tachycardic and tachypneic, and a systolic heart murmur was detected. He has been fed a grain free diet.

**Physical Examination**

QAR, nervous. MMs light pink, moist, CRT 2.5 s. HR = 160 bpm, regularly irregular rhythm with suspected premature beats. Grade V/VI right apical systolic heart murmur, grade IV/VI left apical systolic heart murmur. Focal extra heart sound (possibly gallop) at left apex. Weak femoral pulses with frequent pulse deficits. RR = 60 breaths per minute in between panting with mildly increased respiratory effort with mild abdominal component. No crackles or wheezes on auscultation. Some referred upper respiratory sounds heard while panting. Abdomen soft and non-painful, no fluid wave detected.

**ECG**

Six-lead ECG shows an underlying sinus tachycardia with occasional polymorphic single VPCs along with ventricular couplets and triplets. Average HR = Tall R wave in lead II. Normal mean electrical axis.

**MMode/2D Measurements & Calculations**

B6

B6

**Time Measurements**

B6

**B6****Doppler Measurements & Calculations****B6****2-D Study****B6****Cardiac Diagnosis**

- 1) Severe left ventricular dilation and poor systolic function - r/o nutritional cardiomyopathy (taurine deficiency, related to grain-free diet, other) vs. myocarditis vs. dilated cardiomyopathy (DCM)
- 2) Severe mitral and tricuspid regurgitation - degenerative valve disease + atrioventricular annulus dilation
- 3) Polymorphic ventricular premature complexes (VPCs) - singlets, couplets, triplets, non-sustained runs of ventricular tachycardia
- 4) Moderate pulmonary hypertension.

**Assessment/Prognosis**

The patient's severe left ventricular dilation and poor systolic function could be due to nutritional cardiomyopathy (taurine deficiency, related to grain free diet, other), myocarditis, or primary dilated cardiomyopathy (DCM). Plasma or whole blood taurine level and cTnI level are recommended. The significant mitral and tricuspid regurgitation are likely due to both degenerative valve changes plus valve annulus stretch/dilation secondary to poor systolic function and left ventricular dilation. Thoracic radiographs obtained by his primary care veterinarian yesterday showed severe cardiomegaly and a mild diffuse bronchointerstitial pulmonary pattern (increased interstitial component in perihilar and caudodorsal lung fields). The rhythm diagnosis is sinus tachycardia with frequent polymorphic VPCs that occur in singlets, couplets, triplets, and few non-sustained runs of ventricular tachycardia. Initiation of CHF therapy and ant-arrhythmic therapy (sotalol) is recommended as outlined below. Prognosis depends on the underlying cause, however currently he is at increased risk for CHF, worsening arrhythmias, which could result in sudden death, and progressive signs of poor cardiac output.

**B6**

Follow up with the Cardiology service is recommended in 5-7 days for recheck renal panel, ECG, +/- Holter monitor, +/- thoracic radiographs.

**Addendum**

The patient had a syncopal episode in the emergency room, during which time, continuous ECG showed a run of ventricular tachycardia which converted to sinus tachycardia prior to ant-arrhythmic therapy. Patient was admitted to the hospital for continuous ECG monitoring and care.

Performed By:

B6

B6	DVM, MSCE, ACVIM (Cardiology)
B6	Dr med vet, PhD, ACVIM (Cardiology), ECVIM-CA (Cardiology)
B6	DVM, ACVIM (Cardiology, Internal Medicine), ECVIM-CA (Cardiology)

B6	VMD, Resident
B6	VMD, Resident
B6	DVM, Resident

**B6**

Case Number: **B6**  
Patient: **B6**  
CANINE, MIXED CANINE Born: **B6** MALE, Castrated  
Owner: **B6**  
Primary Vet: **B6**  
Primary Clinician: **B6**  
Supervising Clinician: **B6**  
Service: CARDIOLOGY  
Admission Date: **B6**  
Weight: 21.200 kg(s)

**B6**  
**B6**  
Appointments: **B6** • Emergency: **B6** • Pharmacy: **B6**

Diagnoses:	Diagnosis 1 ( <i>Confirmed</i> ): Severe left ventricular dilation and poor systolic function Diagnosis 2 ( <i>Confirmed</i> ): Severe mitral and tricuspid regurgitation Diagnosis 3 ( <i>Confirmed</i> ): Polymorphic ventricular premature complexes Diagnosis 4 ( <i>Confirmed</i> ): Moderate pulmonary hypertension
Presenting Complaint:	<b>B6</b> presented to the <b>B6</b> on <b>B6</b> for a 5 day history of lethargy, increased respiratory rate, and decreased appetite.
Discussion:	<p>On presentation, <b>B6</b> had an elevated heart rate and elevated respiratory rate. His physical exam revealed a loud heart murmur and weak femoral pulses with occasional dropped beats.</p> <p><b>B6</b> echocardiogram revealed severe dilation of his heart and a decreased ability of his heart to effectively pump blood. This may be secondary to a nutritional deficiency, inflammation of the heart, or primary heart disease (dilated cardiomyopathy). <b>B6</b> electrocardiogram (ECG) also showed abnormal beats and periods of an abnormal heart rhythm called ventricular tachycardia.</p> <p>While in the emergency room, <b>B6</b> experienced a syncopal episode during which his heart was beating abnormally and he collapsed. His heart converted back to a normal rhythm on its own before anti-arrhythmic medications were administered.</p> <p>He was maintained overnight on his cardiac medications and a continuous ECG to monitor his heart rate and rhythm. Throughout the night he still showed occasional abnormal beats but had no more prolonged arrhythmias and had no additional syncopal episodes. When he was resting his heart rate came back down into the normal range. <b>B6</b> breathing has improved compared to when he first came in although his breathing rate remains mildly increased. He is able to oxygenate his blood appropriately, and his chest x-rays showed no evidence of heart failure.</p> <p>Blood was drawn and submitted to test his taurine level. Taurine is a specific nutrient that is required for normal heart function. Blood was also run to test his cardiac troponin which is a marker associated with damage to the heart muscle. The cardiology department will follow up with you regarding the results of these tests.</p>
Procedures:	Procedure 1: SpO2 Procedure 2: NIBP Procedure 3: NOVA Procedure 4: ECG Procedure 5: Echocardiogram Procedure 6: Chest x-rays

<p>Recommendations:</p>	<p><b>MONITORING</b></p> <p>1. Respiratory Rate: It is important to become familiar with your dog's normal resting respiratory rate and effort. An increase in either of these is one of the first signs of fluid in the lungs and should be monitored regularly. When your dog is at rest, watch their sides rise and fall as they breathe normally. One rise and fall cycle is equal to one breath. Count the number of breaths they take in 15 seconds, then multiply this number by 4 to get total breaths per minute. For example, if you count 8 breaths in 15 seconds, that is equal to 32 (8 x 4) breaths per minute. A normal dog at rest should have a respiratory rate less than 40. If you notice this number increasing consistently, or notice an increase in the effort it takes to breathe, please contact [B6] or your local veterinarian.</p> <p>2. General: Monitor for any lethargy, exercise intolerance, coughing or decreased appetite. Contact Dr. [B6] or your local veterinarian if you notice any of these signs. If you observe any episodes of weakness, pale gums, or collapse, [B6] should be taken to the nearest emergency room.</p> <p><b>DIET CHANGE</b></p> <p>The changes seen in [B6] heart may be caused by a nutritional deficiency that may be associated with his grain free diet. We recommend switching him to a non-grain free diet. Any balanced commercial diet that is not grain free is appropriate.</p> <p><b>DIET SUPPLEMENTATION</b></p> <p>You may consider supplementing [B6] diet with taurine and L-carnitine according to the instructions below. These supplements can be purchased from most health food stores and/or grocery stores. Depending on the results of the taurine test, long-term supplementation with taurine may not be required.</p> <ol style="list-style-type: none"> <li>1. Taurine - 1 g by mouth twice daily with food</li> <li>2. L-carnitine - 1 g by mouth twice daily with food</li> </ol>
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<p>Follow Up:</p>	<p>Please schedule an appointment with the Cardiology Department in 5-7 days for recheck bloodwork (renal panel), ECG, and possibly Holter monitor placement.</p> <p>Please contact our Cardiology Nurse [B6] ([B6]) to arrange a Nurse Practitioner appointment.</p> <p>Please do not hesitate to contact us sooner with any questions or concerns.</p>
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**B6**

In compliance with state and risk management guidelines, all Pharmacy items, including drugs, fluid therapy, nutritional products and food are non-returnable. This policy is to protect your pet from receiving items that may have been tampered with or improperly used. The exception to this policy is pet foods that display a manufacturer's warranty.

For drug related questions please call the pharmacy at

Drug	Quantity Dispensed	Unit Strength	Instructions
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Drugs:

**B6**

Discharge  
Instructions:  
Clinician and  
Finalize Date:

VMD   
Cardiology Resident

Client picking up  
animal:  
(sign)

Date: \_\_\_\_\_

Please help us help dogs. Please complete our survey at:   
All dogs, whether diabetic or not, are encouraged to participate.

# CONGESTIVE HEART FAILURE

## What is Congestive Heart Failure (CHF)?

Heart failure, a clinical syndrome that is the end result of severe heart disease, describes the inability of the heart to pump blood with normal efficiency and keep up with the body's demands. Heart failure may be due to failure of the right, left, or both ventricles (chambers) of the heart to pump adequately.

Congestive heart failure, or CHF, is the final stage of heart failure when the body starts to 'leak' fluid into the lungs (pulmonary edema), the abdomen (ascites), or into the chest cavity (pleural effusion). The different stages of heart failure, mild to life-threatening, will dictate the symptoms in your pet

Causes include, but are not limited to:

- Decreased myocardial (heart muscle) contractility, which is commonly seen with dilated cardiomyopathy, a disease caused by weak heart muscle contractions.
- Valvular regurgitation as seen with mitral and tricuspid regurgitation, a disease that causes leaks in the heart valves.
- Increased myocardial stiffness impairing the heart's ability to fill with blood, as seen in feline hypertrophic cardiomyopathy, a disease caused by thickened heart muscle walls.

## What is the difference between right-sided and left-sided CHF?

Right-sided CHF occurs when blood returning from the body is impeded while draining into the right atrium and right ventricle. This 'back up' of blood creates excessive fluid in the abdomen (ascites), or fluid around the lungs (pleural effusion). Common clinical signs are distention of the abdomen, loss of appetite, and exercise intolerance.

Left-sided CHF occurs when blood from the lungs has difficulty returning to the left atrium and left ventricle. This leads to fluid accumulation within the lungs (pulmonary edema). Common clinical signs are increased respiratory rate, coughing, fainting, exercise intolerance, and loss of appetite.

## What are the goals of CHF treatment?

The primary goal of treating CHF is to manage the symptoms by reducing fluid accumulation in or around the lungs and abdomen. A variety of therapies are available and can be tailored to meet your pet's needs.

Treatment varies depending on the cause of the heart failure. The majority of patients with CHF will be on a combination of drugs to help alleviate the symptoms.

- A diuretic (water pill) is often the first medication prescribed. This medication will help alleviate fluid accumulation, and cause your pet to urinate and drink more frequently.
- Pimobendan and/or digoxin is medication to increase the 'pumping' ability of the heart.
- ACE inhibitors are drugs that help blood vessels dilate.
- A sodium-restricted diet may be recommended, along with restricted exercise.

Since diuretics increase the workload on the kidneys, your veterinarian may discuss performing periodic blood work exams to monitor kidney function. Depending on the nature of your dog's symptoms, additional drugs may be prescribed to help control fluid accumulation or abnormal heart rhythms. Please keep in mind that heart-failure therapy is a dynamic process and will require regular checkups with your veterinarian to ensure your pet's needs are being met.

## What should I monitor at home?

It is important that you monitor your pet's overall attitude and any change in appearance.

Count respiratory rates at home. Your pet's respiratory rate should typically be less than 40 breaths per minute. If the respiratory rate increases above its normal rate or is above 40 breaths per minute, contact your veterinarian.

If you notice any of the following, call your veterinarian:

- heavy or labored breathing
- coughing
- reduction in appetite
- fainting spells
- restlessness

# B6



# DILATED CARDIOMYOPATHY

## What is dilated cardiomyopathy (DCM)?

Dilated cardiomyopathy (DCM) is a disease of the heart characterized by poor contractions of the heart muscle. The weakened heart muscle results in a decrease in the amount of blood pumped out to the body and lungs.

As the heart fails to pump effectively, a backup of blood can result in congestive heart failure. If the left side of the heart fails, fluid backs up into the lungs, causing coughing and/or difficulty breathing. If the right side of the heart fails, fluid backs up into the abdomen, causing abdominal distension or fluid in the space surrounding the lungs. DCM also can cause abnormal heart rhythms, which can result in weakness or fainting episodes.

## What dogs are commonly affected by DCM?

DCM is most common in large-breed dogs such as the Doberman Pinscher, Boxer, Newfoundland, Great Dane, and the Irish Wolfhound. Most cases of DCM occur in middle-aged to older dogs. In certain breeds of dogs, such as the American Cocker Spaniel, DCM can be related to a dietary deficiency of taurine and/ or L-carnitine, which are protein building blocks.

## What is the long-term prognosis for DCM?

Long-term prognosis for dogs with DCM varies considerably. Some dogs with early DCM remain free of symptoms for years. In dogs with severe DCM, signs of congestive heart failure, fainting, or intolerance to activity can occur. Once symptoms of DCM occur, medical therapy is usually prescribed to help improve heart muscle function.

## Is there treatment available for dogs that have symptoms of DCM?

Dogs with DCM can develop congestive heart failure, which typically causes difficulty breathing or distension of the abdomen. The most common medications for dogs with congestive heart failure due to DCM include diuretics (water pills), such as furosemide and spironolactone, which help remove fluid that has accumulated in the abdomen or lungs; and ACE inhibitors, which dilate blood vessels; and pimobendan, which increases the strength of the heart muscle.

Side effects of diuretics and ACE inhibitors include increased thirst and urination. Since diuretics increase the workload on the kidneys, your veterinarian may discuss performing periodic blood work exams to monitor kidney function. Depending on the nature of your dog's symptoms, additional drugs may be prescribed to help control fluid accumulation or abnormal heart rhythms.

## Is there treatment available for dogs that are in the 'asymptomatic' or early phase of DCM?

Researchers have a great interest in therapy that slows disease while dogs are still symptom-free. One trial documented success of pimobendan to delay onset of symptoms in certain Doberman Pinschers with early DCM. Whether the success extends to other dog breeds is unknown. Other studies have suggested that a type of drug known as ACE inhibitors can also be of benefit in the early stages of DCM. Please consult your veterinarian to discuss the options if your dog has early DCM.

## What should I monitor at home?

It is important that you monitor your dog's overall attitude and any change in activity. Count respiratory rates at home. Your pet's respiratory rate should typically be less than 40 breaths per minute. If the respiratory rate increases above its normal rate or is above 40 breaths per minute, call your veterinarian.

If you notice any of the following, contact your veterinarian immediately:

- heavy or labored breathing
- coughing
- reduction in appetite
- fainting spells
- restlessness
- profound lethargy

# B6



# Measuring Respiratory Rate

My pet's next recheck: \_\_\_\_\_

## Why is respiratory rate important?

- Respiratory rate acquired at home can help predict the presence of congestive heart failure in the form of excess fluid in your pet's lungs or chest cavity.

## How do I measure my pet's respiratory rate?

- Watch your pet's chest move in-and-out. Each in-and-out cycle is one breath.
- While your pet is resting or sleeping, count how many breaths your pet takes in either 30 seconds or 1 minute.
- If you count the number of breaths in 30 seconds, multiply this number by 2, which will provide breaths per minute.

## What is a normal resting or sleeping respiratory rate?

- A normal resting or sleeping respiratory rate is usually between 10-30 breaths per minute.
- Most cats and dogs will have a respiratory rate that is consistently less than 25 breaths per minute.

## When should I be concerned about my pet's respiratory rate?

- If your pet's resting or sleeping respiratory rate is more than 40 breaths per minute, this could be a sign of congestive heart failure and you should contact your veterinarian.
- If your pet's respiratory rate has been consistent over time but then unexpectedly increases over several days in a row, this could be a sign of congestive heart failure and you should call your veterinarian.

## What are some tips to help me measure an accurate respiratory rate?

- Make sure your pet is calm and resting or sleeping when you take the rate
- Make sure your pet has not exercised prior to you taking the rate.
- Measure the rate at the same time each day, perhaps in the evening or at night when your pet is sleeping soundly.
- There are free iPhone and Android smartphone apps that can help you acquire your pet's respiratory rate. Search the appropriate app store on your phone. Two popular apps are "Cardalis" and "Resting Respiratory Rate".

Date	Respiratory Rate	Date	Respiratory Rate	Date	Respiratory Rate	Date	Respiratory Rate

# B6

**B6**

Case Number: **B6**  
Patient: **B6**  
CANINE, MIXED CANINE Born **B6** MALE, Castrated  
Owner: **B6**  
Primary Vet: **B6**  
Primary Clinician: **B6**  
Supervising Clinician: **B6**  
Service: CARDIOLOGY  
Admission Date: **B6**  
Discharge Date: **B6**  
Weight: 21.700 kg(s)

**B6**  
**B6**  
Appointments **B6** · Emergency **B6** · Pharmacy **B6**

Diagnoses:	Diagnosis 1 ( <i>Confirmed</i> ): Severe left ventricular dilation and poor systolic function Diagnosis 2 ( <i>Confirmed</i> ): Severe mitral and tricuspid regurgitation Diagnosis 3 ( <i>Confirmed</i> ): Polymorphic ventricular premature complexes Diagnosis 4 ( <i>Confirmed</i> ): Moderate pulmonary hypertension
Presenting Complaint:	<b>B6</b> a 7 year old male, castrated mixed breed was presented to the <b>B6</b> Cardiology Service for a Nurse Practitioner appointment for a recheck ECG, TFAST, and repeat Holter placement.
Discussion:	<p style="text-align: center;"><b>B6</b></p> <p>Respiration: Panting with slight increased effort - slightly harsh lungs sounds bilaterally, no crackles or wheezes - loud heart murmur with palpable thrill</p> <p>DIAGNOSTICS Blood pressure 130mmHg Doppler cuff #5 right front leg</p> <p>ECG An electrocardiogram was performed to assess <b>B6</b> heart rate and rhythm. His heart rate was still elevated, most likely due to his anxiety in the hospital. There were intermittent/occasional single and couplet ventricular premature contractions. These findings are subjectively similar to possibly mildly improved compared to his most recent results.</p>

	<p><b>Holter</b>  We are sending [B6] home again with a Holter monitor for further evaluation of his arrhythmia. These monitors are small devices kept in a pocket on the vest that are connected to three electrodes attached to the skin. It allows us to record extended ECG data. This will let us know more information regarding how often abnormal beats are occurring at home. This information will allow us to make a more informed decision as far as a diagnosis and possible need for treatment. It will also serve as data to compare to later on if the underlying rhythm deteriorates.</p> <p><b>TFast</b>  The heart ultrasound showed:  - No pericardial or pleural effusion  - Similar decrease in systolic function  - Significant mitral and tricuspid regurgitation  - No other significant abnormalities</p> <p><b>ASSESSMENT</b>  We are so happy that [B6] is doing well at home. The results from today's nurse practitioner recheck appointment will be communicated to [B6] and we will contact you to discuss results and additional recommendations.</p>
<p><b>Procedures:</b></p>	<p>Procedure 1: NIBP  Procedure 2: ECG  Procedure 3: Holter monitor placement  Procedure 4: TFast</p>
<p><b>Recommendations:</b></p>	<p><b>HOLTER MONITOR</b>  While the Holter monitor is on, please use the activity log provided to make note of any activities throughout the day (sleeping, barking at mailman, eating, medications given) making special note of any episodes of weakness or collapse. Please call or e-mail [B6] if you have any questions about this.</p> <p>Please remove the Holter monitor in 48 hours (at noon on Friday). Please do NOT use scissors to cut the tape, as this might damage the monitor equipment (cables). We are providing you with some moist wipes (Preppies) that you can use to make the ECG pads easier to remove. Please return the Holter monitor as soon as it is removed via the prepaid package we provided you with and we will contact you once we have analyzed the information (generally 1-2 days after it is received). Based on our results we will determine whether any further treatment is appropriate.</p> <p><b>MONITORING</b>  1. Respiratory Rate: It is important to become familiar with your dog's normal resting respiratory rate and effort. An increase in either of these is one of the first signs of fluid in the lungs and should be monitored regularly. When your dog is at rest, watch their sides rise and fall as they breathe normally. One rise and fall cycle is equal to one breath. Count the number of breaths they take in 15 seconds, then multiply this number by 4 to get total breaths per minute. For example, if you count 8 breaths in 15 seconds, that is equal to 32 (8 x 4) breaths per minute. A normal dog at rest should have a respiratory rate less than 40. If you notice this number increasing consistently, or notice an increase in the effort it takes to breathe, please contact [B6] or your local veterinarian.</p> <p>2. General: Monitor for any lethargy, exercise intolerance, coughing or decreased appetite. Contact Dr. [B6] or your local veterinarian if you notice any of these signs. If you observe any episodes of weakness, pale gums, or collapse, [B6] should be taken to the nearest emergency room.</p>
<p><b>Follow Up:</b></p>	<p>We will contact you with the Holter monitor results as soon as they are available (typically in 7 to 10 days). We will discuss a follow-up plan at that time.</p> <p>As always, [B6] is a terrific patient!</p> <p>[B6] CVT, VTS (ECC) - Cardiology Nursing Coordinator</p>

Medications:

Please continue all medications (including taurine supplementation) as previously prescribed.

**B6** has approved the addition of L-Carnitine (see dosing instructions below) & Omega 3 fatty acids (a liquid formulation called OmegaBenefits can be purchased online -- give as directed).

Drugs:

**In compliance with state and risk management guidelines, all Pharmacy items, including drugs, fluid therapy, nutritional products and food are non-returnable. This policy is to protect your pet from receiving items that may have been tampered with or improperly used. The exception to this policy is pet foods that display a manufacturer's warranty.**

For drug related questions please call the pharmacy at **B6**

Drug	Quantity Dispensed	Unit Strength	Instructions
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**B6**

**B6**

Discharge Instructions:  
Clinician and Finalize Date:

**B6** VMD **B6**  
Cardiology Resident

**B6**

Client picking up animal:  
(sign)

**B6** \_\_\_\_\_ Date: \_\_\_\_\_

Please help us help dogs. Please complete our survey at: **B6**  
All dogs, whether diabetic or not, are encouraged to participate.

**B6**

**B6**

Owner: **B6**  
 Pet name: **B6**  
 Pet ID/Chart #: **B6**  
 Species: CANINE Breed: MIXED CANINE  
 DOB: **B6** Sex: MC  
 Collection Date: **B6**  
 Received Date:  
 Reported: 8/29/2018

Sample ID: 29435-18

Order requested by:  
**B6**

**Troponin I**

Approved by: <b>B6</b>	<b>B6</b> 1:39 PM	<b>B6</b> 1:37 PM	Reference Interval
Troponin I Reference lab report	H <b>B6</b> See attached report.	See attached report.	0.00-0.06 ng/mL

**B6**

Stratus CS  
Serial Number: 99050678  
Software Version: 1.8.0  
Results Printout

cTnI TestPak Lot Number: 23809200Z  
Operator ID: 5

Run Time: 08/20/2018 14:32

Patient ID: 932551  
Sample No. ID:  
Collection Time:  
Comment Code: 3

Method: cTnI  
Camp. cTnI  
Ref. Interval: 0.80-0.46  
B6

Printed: 08/20/2018 14:46

**Troponin Level Testing - cTnI**

*Off Campus Blood Preparation: Collect blood in prepare separated plasma for shipment. At le plasma on dry ice overnight. Alternatively ship and Styrofoam overnight. Fibrin in plasma or lip*

FAX Results to: **B6**

Patient Name **B6** Patient ID# **B6** Species KS9  
Breed MIX Age 7 Yrs Sex MR  
Owner Name **B6**  
Clinician **B6** Practice **B6** Phone # **B6**  
Bill to: See below

Brief History:

Results sent by:

phone  
 fax

**Troponin Test Result:**

**B6**

ng/mL (Reference range: 0.00 - 0.06 ng/mL)

Date/time sample received: **B6** 12:25

Condition: cool

Date run: **B6**

Initials: **B6**

*\* Ice pack not sufficient (4oz flexible polar pack)  
(however sample chemical appropriate for test per cardiology)*

New Bolton Center Office use only

- In Patient MRN# \_\_\_\_\_ Owner \_\_\_\_\_ Animal \_\_\_\_\_
- Out Patient MRN# \_\_\_\_\_ Owner \_\_\_\_\_ Animal \_\_\_\_\_
- Outside Client Charge \_\_\_\_\_

**B6**

Quantity	Code	Description (date of service and charge if required)
/	cTnI	Troponin I <b>B6</b>

Updated 4/29/2014

Submitted by:

**B6**

Phone:

**B6**



20626

### Amino Acid Laboratory Sample Submission Form

Amino Acid Laboratory  
 1089 Veterinary Medicine Drive  
 Davis, Ca 95616  
 Telephone: 530-752-5058, Fax: 530-752-4698  
 Email: [ucd.aminoacid.lab@ucdavis.edu](mailto:ucd.aminoacid.lab@ucdavis.edu)  
[www.vetmed.ucdavis.edu/labs/amino-acid-laboratory](http://www.vetmed.ucdavis.edu/labs/amino-acid-laboratory)

Veterinarian Contact: B6

Clinic/Company Name: B6

Address: B6

Email: B6

Telephone: B6 Fax: B6

Billing Contact: B6 B6

Patient Name: B6 Species: K-9

Breed: MOX Owner's Name: B6

Current Diet : \_\_\_\_\_

Sample type: Plasma Whole Blood Urine Food Other \_\_\_\_\_

Test: Taurine Complete Amino Acids Other: \_\_\_\_\_

#### Taurine Results (lab use only)

Plasma B6 Whole Blood: \_\_\_\_\_ Urine: \_\_\_\_\_ Food: \_\_\_\_\_

	Plasma (nMol/ml)		Whole Blood (nMol/ml)	
	Normal Range	No known risk for deficiency	Normal Range	No known risk for deficiency
Cat	80-120	>40	300-600	>200
Dog	60-120	>40	200-350	>150

\* Please note with the recent increase in the number of dogs screened for taurine deficiency, we are seeing dogs with values within the reference ranges (or above the "no known risk for deficiency range") yet are still exhibiting signs of cardiac disease. Veterinarians are welcome to contact our laboratory for assistance in evaluating your patient's results.

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 1/4/2019 3:24:23 PM  
**Subject:** Instinct by Nature's Variety Original Grain-Free Recipe with Real Chicken Dry Dog Food: [B6] - EON-375409  
**Attachments:** 2060866-report.pdf; 2060866-attachments.zip

A PFR Report has been received and PFR Event [EON-375409] has been created in the EON System.

A "PDF" report by name "2060866-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060866-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-375409

**ICSR #:** 2060866

**EON Title:** PFR Event created for Instinct by Nature's Variety Original Grain-Free Recipe with Real Chicken Dry Dog Food Instinct by Nature's Variety Raw Boost Grain-Free Recipe with Real Chicken Dry Dog Food; 2060866

<b>AE Date</b>	04/14/2016	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	2
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Died Euthanized
<b>Breed</b>	Sheepdog - Shetland		
<b>Age</b>	8 Years		
<b>District Involved</b>	PFR-New England DO		

**Product information**

**Individual Case Safety Report Number:** 2060866

**Product Group:** Pet Food

**Product Name:** Instinct by Nature's Variety Original Grain-Free Recipe with Real Chicken Dry Dog Food, Instinct by Nature's Variety Raw Boost Grain-Free Recipe with Real Chicken Dry Dog Food

**Description:** In April 2016, [B6] developed pancreatitis and her breathing was worsening. We brought her in for an ultrasound when we discovered she had fluid in her chest. The pleural effusion persisted from April 14, 2016

until her death on [B6] On April 23, 2016, we brought her to [B6] in [B6] and implanted pleural ports. Prior to the surgery, a cardiac consult was performed which revealed the start of mitral valve disease. In May 2016, we switched from Natures Variety Grain Free food to Royal Canin Prescription Low Fat Kibble. The pleural effusion persisted with no known cause, we tested for everything. In July 2018, she went into congestive heart failure and had an enlarged heart. Her fluid from the pleural effusion increased exponentially from 100 ml's every 2-3 weeks to 500-600 mls every 1-2 days. She was euthanized on [B6] due to fluid buildup in her lungs not responding to IV Lasix or Torsemide treatment.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Died Euthanized

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 2

Product Name	Lot Number or ID	Best By Date
Instinct by Nature's Variety Original Grain-Free Recipe with Real Chicken Dry Dog Food, Instinct by Nature's Variety Raw Boost Grain-Free Recipe with Real Chicken Dry Dog Food		

**Sender information**

[B6]

USA

To view this PFR Event, please click the link below:

[B6]

To view the PFR Event Report, please click the link below:

[B6]

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This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

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secret and confidential commercial information that you receive from the U.S. Food and Drug Administration from further disclosure. The information in the report is intended for situational awareness and should not be shared or acted upon independently. Any and all actions regarding this information should be coordinated through your local district FDA office.

Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to [FDAReportableFoods@fda.hhs.gov](mailto:FDAReportableFoods@fda.hhs.gov) immediately.

**Report Details - EON-375409**

<b>ICSR:</b>	2060866
<b>Type Of Submission:</b>	Initial
<b>Report Version:</b>	FPSR.FDA.PETF.V.V1
<b>Type Of Report:</b>	Adverse Event (a symptom, reaction or disease associated with the product)
<b>Reporting Type:</b>	Voluntary
<b>Report Submission Date:</b>	2019-01-04 10:19:11 EST
<b>Reporter is the Animal Owner:</b>	Yes

<b>Reported Problem:</b>	<b>Problem Description:</b>	In April 2016, [B6] developed pancreatitis and her breathing was worsening. We brought her in for an ultrasound when we discovered she had fluid in her chest. The pleural effusion persisted from April 14, 2016 until her death on [B6]. On April 23, 2016, we brought her to [B6] in [B6] and implanted pleural ports. Prior to the surgery, a cardiac consult was performed which revealed the start of mitral valve disease. In May 2016, we switched from Natures Variety Grain Free food to Royal Canin Prescription Low Fat Kibble. The pleural effusion persisted with no known cause, we tested for everything. In July 2018, she went into congestive heart failure and had an enlarged heart. Her fluid from the pleural effusion increased exponentially from 100 ml's every 2-3 weeks to 500-600 ml's every 1-2 days. She was euthanized on [B6] due to fluid buildup in her lungs not responding to IV Lasix or Torsemide treatment.
	<b>Date Problem Started:</b>	04/14/2016
	<b>Concurrent Medical Problem:</b>	No
	<b>Outcome to Date:</b>	Died Euthanized
	<b>Date of Death:</b>	[B6]

<b>Product Information:</b>	<b>Product Name:</b>	Instinct by Nature's Variety Original Grain-Free Recipe with Real Chicken Dry Dog Food, Instinct by Nature's Variety Raw Boost Grain-Free Recipe with Real Chicken Dry Dog Food		
	<b>Product Type:</b>	Pet Food		
	<b>Lot Number:</b>			
	<b>Package Type:</b>	BAG		
	<b>Package Size:</b>	22.5 Pound		
	<b>Purchase Date:</b>	04/01/2016		
	<b>Number Purchased:</b>	1		
	<b>Possess Unopened Product:</b>	No		
	<b>Possess Opened Product:</b>	No		
	<b>Storage Conditions:</b>	It was stored in its bag and sealed after each use.		
	<b>Product Use Information:</b>	<b>Description:</b>	Kibble was fed to both dogs. The raw boost would be added to the food or the raw meat mixed in the last few years. Both dogs were fed Natures Variety Grain Free Instinct food for 8 years. Chicken or lamb flavored kibble plus the frozen raw veal and chicken medallions.	
		<b>First Exposure Date:</b>	04/01/2016	
		<b>Last Exposure Date:</b>	04/23/2016	
<b>Time Interval between Product Use and Adverse Event:</b>		8 Years		
<b>Product Use Stopped After the Onset of the Adverse Event:</b>		Yes		

		<b>Adverse Event Abate After Product Stop:</b>	No	
		<b>Product Use Started Again:</b>	No	
		<b>Perceived Relatedness to Adverse Event:</b>	Definitely related	
		<b>Other Foods or Products Given to the Animal During This Time Period:</b>	No	
	<b>Manufacturer /Distributor Information:</b>			
	<b>Purchase Location Information:</b>	<b>Name:</b>	Chewy	
		<b>Address:</b>	United States	
<b>Animal Information:</b>	<b>Name:</b>	B6		
	<b>Type Of Species:</b>	Dog		
	<b>Type Of Breed:</b>	Sheepdog - Shetland		
	<b>Gender:</b>	Female		
	<b>Reproductive Status:</b>	Neutered		
	<b>Weight:</b>	29 Pound		
	<b>Age:</b>	8 Years		
	<b>Assessment of Prior Health:</b>	Excellent		
	<b>Number of Animals Given the Product:</b>	2		
	<b>Number of Animals Reacted:</b>	2		
	<b>Owner Information:</b>			
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6	
		<b>Contact:</b>	<b>Name:</b>	B6
			<b>Phone:</b>	B6
		<b>Address:</b>	B6 United States	
<b>Type of Veterinarian:</b>		Referred veterinarian		
<b>Date First Seen:</b>		04/23/2016		
<b>Permission to Release Records to FDA:</b>		Yes		
<b>Practice Name:</b>		B6		
<b>Contact:</b>		<b>Name:</b>	B6	
		<b>Phone:</b>	B6	
	<b>Email:</b>	B6		
<b>Address:</b>	B6 United States			
<b>Type of Veterinarian:</b>	Referred veterinarian			

		<b>Date First Seen:</b> 04/23/2016	
		<b>Permission to Release Records to FDA:</b> Yes	
<b>Sender Information:</b>	<b>Name:</b>	B6	
	<b>Address:</b>	B6 United States	
	<b>Contact:</b>	<b>Phone:</b>	B6
		<b>Email:</b>	B6
	<b>Permission To Contact Sender:</b>	Yes	
	<b>Preferred Method Of Contact:</b>	Email	
	<b>Reported to Other Parties:</b>	None	
<b>Additional Documents:</b>	<b>Attachment:</b>	B6 medical history.pdf	
	<b>Description:</b>	Full medical history up to August 2018. Does not include x-rays, CT scans or echocardiogram files. Those can be sent upon request or requested from B6	
	<b>Type:</b>	Medical Records	

**B6**

FACSIMILE TRANSMITTAL SHEET

TO: **Attn: Claims Dept** FROM: **B6**  
COMPANY: **B6** DATE: **5/12/16**  
FAX NUMBER: **B6** TOTAL NO. OF PAGES INCLUDING COVER: **7**  
PHONE NUMBER: SENDER'S REFERENCE NUMBER:  
YOUR REFERENCE NUMBER:

**B6**

URGENT     FOR REVIEW     PLEASE COMMENT     PLEASE REPLY     PLEASE RECYCLE

NOTES/COMMENTS:

PHONE: **B6**  
FAX: **B6**







pd

4/4/16

33.1

710.0

**B6**

330

TELE

**B6**



**B6**

4/17/15 For Sale

4/17/15

pd

**B6**

B6

Name:

B6

ID#

B6

Address:

B6

Phone:

Work:

Cell:

Patient:

B6

M/F

DOB

B6

Breed:

Salke

Color:

White

RAD #

MICROCHIP #

EMAIL

DATE AGE WT.

SERVICES, EXAMINATIONS, Rxs

CHG

PD

BAL

5/5/16 7yrs 32<sup>3</sup>

B6

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**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; B6  
**Sent:** 1/17/2019 9:00:20 PM  
**Subject:** Merrick Good Earth Grain Free Pork Beef and Lamb Kibble; B6  
- EON-376709  
**Attachments:** 2061375-report.pdf

A PFR Report has been received and PFR Event [EON-376709] has been created in the EON System.

A "PDF" report by name "2061375-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-376709

**ICSR #:** 2061375

**EON Title:** PFR Event created for Merrick Good Earth Grain Free Pork Beef and Lamb Kibble; 2061375

<b>AE Date</b>	12/05/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Worse/Declining/Deteriorating
<b>Breed</b>	Shepherd Dog - Australian		
<b>Age</b>	2 Years		
<b>District Involved</b>	PFR-Seattle DO		

**Product information**

**Individual Case Safety Report Number:** 2061375

**Product Group:** Pet Food

**Product Name:** Merrick Good Earth Grain Free Pork Beef and Lamb Kibble

**Description:** Diagnosed with dilated cardiomyopathy. Diet: Merrick's Good Earth Grain Free Pork Beef and Lamb kibble

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Worse/Declining/Deteriorating

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 1

Product Name	Lot Number or ID	Best By Date
Merrick Good Earth Grain Free Pork Beef and Lamb Kibble		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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**Report Details - EON-376709**

ICSR: 2061375  
 Type Of Submission: Initial  
 Report Version: FPSR.FDA.PETF.V.V1  
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)  
 Reporting Type: Voluntary  
 Report Submission Date: 2019-01-17 15:51:20 EST

**Reported Problem:**  
**Problem Description:** Diagnosed with dilated cardiomyopathy. Diet: Merrick's Good Earth Grain Free Pork Beef and Lamb kibble  
**Date Problem Started:** 12/05/2018  
**Concurrent Medical Problem:** No  
**Outcome to Date:** Worse/Declining/Deteriorating

**Product Information:**  
**Product Name:** Merrick Good Earth Grain Free Pork Beef and Lamb Kibble  
**Product Type:** Pet Food  
**Lot Number:**  
**Package Type:** BAG  
**Storage Conditions:** in owners home  
**Product Use Information:**  
**Description:** fed as directed  
**First Exposure Date:** 01/01/2018  
**Last Exposure Date:** 12/05/2018  
**Time Interval between Product Use and Adverse Event:** 1 Years  
**Product Use Stopped After the Onset of the Adverse Event:** Yes  
**Adverse Event Abate After Product Stop:** No  
**Product Use Started Again:** No  
**Perceived Relatedness to Adverse Event:** Probably related  
**Other Foods or Products Given to the Animal During This Time Period:** Unknown  
**Manufacturer /Distributor Information:**  
**Purchase Location Information:** Name: B6  
 Address: United States

**Animal Information:**  
**Name:** B6  
**Type Of Species:** Dog  
**Type Of Breed:** Shepherd Dog - Australian  
**Gender:** Male  
**Reproductive Status:** Neutered  
**Weight:** 54 Pound

	<b>Age:</b>	2 Years
	<b>Assessment of Prior Health:</b>	Excellent
	<b>Number of Animals Given the Product:</b>	2
	<b>Number of Animals Reacted:</b>	1
	<b>Owner Information:</b>	<b>Owner Information provided:</b> No
	<b>Healthcare Professional Information:</b>	
<b>Sender Information:</b>	<b>Name:</b>	B6
	<b>Address:</b>	B6 United States
	<b>Contact:</b>	<b>Phone:</b> B6
	<b>Reporter Wants to Remain Anonymous:</b>	No
	<b>Permission To Contact Sender:</b>	Yes
	<b>Preferred Method Of Contact:</b>	Phone
	<b>Reported to Other Parties:</b>	Other
<b>Additional Documents:</b>		

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]  
**Sent:** 1/9/2019 2:56:32 PM  
**Subject:** Merrick Grain-Free Chicken and Sweet Potato: [B6] - EON-375900  
**Attachments:** 2061013-report.pdf; 2061013-attachments.zip

A PFR Report has been received and PFR Event [EON-375900] has been created in the EON System.

A "PDF" report by name "2061013-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2061013-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

**EON Key:** EON-375900

**ICSR #:** 2061013

**EON Title:** PFR Event created for Merrick Grain-Free Chicken and Sweet Potato; 2061013

<b>AE Date</b>	08/21/2018	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	2
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Recovered Completely
<b>Breed</b>	Retriever - Golden		
<b>Age</b>	3 Years		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2061013

**Product Group:** Pet Food

**Product Name:** Merrick Grain-Free Chicken and Sweet Potato

**Description:** Critically Low Taurine Levels in both dogs [B6] for one and [B6] for the other on this diet, Merrick Grain-Free Chicken and Sweet Potato

**Submission Type:** Initial

**Report Type:** Both

**Outcome of reaction/event at the time of last observation:** Recovered Completely

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product: 2**

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Merrick Grain-Free Chicken and Sweet Potato		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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Report Details - EON-375900		
ICSR:	2061013	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Both	
Reporting Type:	Voluntary	
Report Submission Date:	2019-01-09 09:45:19 EST	
Reporter is the Animal Owner:	Yes	
Reported Problem:	<b>Problem Description:</b> Critically Low Taurine Levels in both dogs <b>B6</b> for one and <b>B6</b> for the other on this diet, Merrick Grain-Free Chicken and Sweet Potato	
	<b>Date Problem Started:</b> 08/21/2018	
	<b>Date of Recovery:</b> 10/18/2018	
	<b>Concurrent Medical Problem:</b> No	
	<b>Outcome to Date:</b> Recovered Completely	
Product Information:	<b>Product Name:</b> Merrick Grain-Free Chicken and Sweet Potato	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Package Type:</b> BAG	
	<b>Package Size:</b> 25 Pound	
	<b>Purchase Date:</b> 08/31/2018	
	<b>Number Purchased:</b> 1	
	<b>Possess Unopened Product:</b> No	
	<b>Possess Opened Product:</b> No	
	<b>Storage Conditions:</b> Air tight container	
	<b>Product Use Information:</b>	<b>Description:</b> One cup BID per dog
		<b>Product Use Stopped After the Onset of the Adverse Event:</b> Yes
		<b>Adverse Event Abate After Product Stop:</b> Yes
<b>Product Use Started Again:</b> No		
<b>Perceived Relatedness to Adverse Event:</b> Definitely related		
<b>Other Foods or Products Given to the Animal During This Time Period:</b> No		
<b>Manufacturer /Distributor Information:</b>		
<b>Purchase Location Information:</b>		
Animal Information:	<b>Name:</b> <b>B6</b>	
	<b>Type Of Species:</b> Dog	
	<b>Type Of Breed:</b> Retriever - Golden	
	<b>Gender:</b> Male	

	<b>Reproductive Status:</b>	Neutered		
	<b>Weight:</b>	95 Pound		
	<b>Age:</b>	3 Years		
	<b>Assessment of Prior Health:</b>	Excellent		
	<b>Number of Animals Given the Product:</b>	2		
	<b>Number of Animals Reacted:</b>	2		
	<b>Owner Information:</b>			
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6	
		<b>Contact:</b>	<b>Name:</b>	B6
			<b>Phone:</b>	B6
<b>Address:</b>		B6		
		United States		
<b>Type of Veterinarian:</b>		Referred veterinarian		
<b>Date First Seen:</b>		10/18/2018		
<b>Permission to Release Records to FDA:</b>	Yes			
<b>Sender Information:</b>	<b>Name:</b>	B6		
	<b>Address:</b>	B6		
		United States		
	<b>Contact:</b>	<b>Phone:</b>	B6	
		<b>Email:</b>	B6	
	<b>Permission To Contact Sender:</b>	Yes		
	<b>Preferred Method Of Contact:</b>	Phone		
<b>Reported to Other Parties:</b>	Other			
<b>Additional Documents:</b>	<b>Attachment:</b>	fda4.JPG		
	<b>Description:</b>	echo result		
	<b>Type:</b>	Echocardiogram		
	<b>Attachment:</b>	fda3.JPG		
	<b>Description:</b>	echo result		
	<b>Type:</b>	Echocardiogram		
	<b>Attachment:</b>	fda1.JPG		
	<b>Description:</b>	initial lab		
	<b>Type:</b>	Laboratory Report		
	<b>Attachment:</b>	fda2.JPG		
	<b>Description:</b>	initial lab		
	<b>Type:</b>	Laboratory Report		

Patient History Report: **B6** - 9/26/2018

Clinic:

**B6**

Client:

**B6**

Patient: **B6**

ID: **B6**

Tag: **B6**

Chip: **B6**

Species: Canine, Golden Retriever

Sex: male/neutered

Age: **B6** mo, DOB: **B6**

Weight: 87.6 Lbs

Color: White

Last visit: 9/14/2018

Referred By:

Home Phone: **B6**

Work Phone2: **B6** xhome

ID: **B6** File # **B6**

Tel: / Fax:

Medical Record Entries:

8/24/2018

<b>B6</b>	Lab Result -	Accession No.	Doctor	Owner	Pet Name
Received					
<b>B6</b>	8		<b>B6</b>	<b>B6</b>	<b>B6</b>
Species	Breed	Sex	Pet Age	Reported	
Canine		CM	2Y		

Test Requested	Results	Reference Range	Units
----------------	---------	-----------------	-------

Taurine	<b>B6</b>
---------	-----------

Normal Values (nmols/ml)

Normal Range

Critical Level

Cat Plasma 60-120

Less than 40

Whole Blood 300-600

Less than 200

Dog Plasma 60-120

Less than 40

Whole Blood 200-350

Less than 150

TEST PERFORMED AT **B6** LABORATORY

Patient History Report: **B6** 9/26/2018

Clinic:

**B6**

Client:

**B6**

Patient: **B6**

ID: **B6**

Tag: **B6** Chip: **B6**

Species: Canine, Golden Retriever

Sex: male/neutered

Age: **B6** mo, DOB: **B6**

Weight: 94.0 Lbs

Color:

Last visit: 8/21/2018

Referred By:

Home Phone: **B6**

Work Phone2: **B6** xhome

ID: **B6** File #: **B6**

Tel: / Fax:

Medical Record Entries:

8/24/2018

<b>B6</b>	Lab Result -	Accession No.	Doctor	Owner	Pet Name
Received					
<b>B6</b>	8		<b>B6</b>	<b>B6</b>	08/22/2018

Species	Breed	Sex	Pet Age	Reported
Canine		CM	3Y	

Test Requested	Results	Reference Range	Units
----------------	---------	-----------------	-------

Taurine

Taurine **B6**

Normal Values (nmols/ml)

Normal Range

Critical Level

Cat Plasma 60-120

Less than 40

Whole Blood 300-600

Less than 200

Dog Plasma 60-120

Less than 40

Whole Blood 200-350

Less than 150

TEST PERFORMED AT **B6**

LABORATORY



**B6**

**B6**

Name: **B6** K9 GOLDEN RETRIEVER

MRN: **B6**

Study Date: 10/18/2018 01:16 PM

DOB: **B6**

Age: 3 yrs

Gender: Male

Exam: Transthoracic Echocardiogram

Performed By: **B6** VMD, DACVIM (Cardiology)

Weight: 91 lb

**B6**

Time Measurements

**B6**

**B6**

Pediatric Measurements & Calculations

**B6**

Presenting concern/Case History

Healthy dog. Was fed Merrick Grain Free Sweet Potato and chicken diet until Aug 2018. Owner had taurine testing performed at that time, low **B6** (whole blood). Changed to Chicken Soup for the Soul x 6 weeks, then changed to Royal Canin Golden Retriever 1 week ago. Began ventricles cardio strength in August, total dose of taurine administered 1000 mg PO q 12h. Recheck taurine 10/2 WNL **B6**

Cardiovascular Examination

Att: BAR. Respiratory rate (panting) breaths/minute. Respiratory effort normal. Mucous membrane color is pink. Mucous membranes are moist. CRT is 1-2 seconds in duration. Femoral pulse quality is strong. Femoral pulses are synchronous with heart beat. The heart rate is 144 beats per minute. The rhythm is regular. No murmurs or additional heart sounds noted. Lungs: clear. Body condition score: 5/9.

Electrocardiography

A sinus rhythm was present during echocardiogram.

Two-dimensional study

The left atrial size is normal. Right atrial size is normal. The left ventricle is normal in size. There is normal left ventricular wall thickness. Left ventricular systolic function is normal. The right ventricle is normal size. The morphology and motion of the aortic, pulmonic, mitral, and tricuspid valves is normal. No masses, thrombi, or effusions noted.

M-mode Calculations

The following measurements are based upon the 2D study. All M-Mode/2D values reported above are within normal limits for a patient of this size.

Color Doppler Study

Color flow interrogation of aortic, pulmonic, mitral, tricuspid valves is within normal limits.

Spectral Doppler Study

Normal diastolic function for age. Aortic and pulmonic flows are laminar and of normal peak velocity.

**B6**

**B6**

Name: **B6** K9 GOLDEN RETRIEVER

MRN: **B6**

Study Date: 10/18/2018 01:50 PM

DOB: **B6**

Age: 31 mos

Gender: Male

Exam: Transthoracic Echocardiogram

Performed By: **B6** VMD, DACVIM (Cardiology)

Weight: 80 lb

**B6**

**Presenting concern/Case History**

Recheck examination. Hx of physiologic flow murmur, normal echo August 2017. Owner was previously feeding Merrick Grain Free Sweet Potato/Chicken, patient tested for taurine deficiency in August 2018, 106 (whole blood). Changed diet to Chicken Soup for the Soul x 6 weeks, then changed to Royal Canin Golden Retriever 1 week ago. Also began Vetriscience cardio strength caps, 4 caps PO q 12h (total taurine dose 1000 mg PO q 12h). Recheck taurine level 10/2 WNL **B6**. Asymptomatic.

**Cardiovascular Examination**

Att: BAR. Rectal temperature is 100.8 deg F. Respiratory rate (panting) breaths/minute. Respiratory effort normal. Mucous membrane color is pink. Mucous membranes are moist. CRT is 1-2 seconds in duration. Femoral pulse quality is strong. Femoral pulses are synchronous with heart beat. The heart rate is 144 beats per minute. The rhythm is regular. A holosystolic heart murmur is present. Grade I/VI. Point of maximal intensity: left base. Crescendo-decrescendo. Lungs: clear. Body condition score: 4/9.

**Electrocardiography**

A sinus rhythm was present during echocardiogram.

**Two-dimensional study**

The left atrial size is normal. Right atrial size is normal. The left ventricle is normal in size. There is normal left ventricular wall thickness. The left ventricle is hyperdynamic. The right ventricle is normal size. The morphology and motion of the aortic, pulmonic, mitral, and tricuspid valves is normal. No masses, thrombi, or effusions noted.

**M-mode Calculations**

The following measurements are based upon the 2D study. All M-Mode/2D values reported above are within normal limits for a patient of this size.

**Color Doppler Study**

Color flow interrogation of aortic, pulmonic, mitral, tricuspid valves is within normal limits.

**From:** PFR Event <pfpreventcreation@fda.hhs.gov>

**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [B6]

**Sent:** 1/18/2019 11:48:22 PM

**Subject:** Merrick Limited Ingredient Diet Grain-Free Real Lamb & Sweet Potatoes Recipe Dry Dog Food [B6] - EON-376853

**Attachments:** 2061474-report.pdf

A PFR Report has been received and PFR Event [EON-376853] has been created in the EON System.

A "PDF" report by name "2061474-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-376853

**ICSR #:** 2061474

**EON Title:** PFR Event created for Merrick Limited Ingredient Diet Grain-Free Real Lamb & Sweet Potatoes Recipe Dry Dog Food 22 l, Nature's Variety Instinct Limited Ingredient Diet Lamb Meal & Peas given ~2014 through 03/15/2016; 2061474

<b>AE Date</b>	[B6]	<b>Number Fed/Exposed</b>	2
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Died Naturally
<b>Breed</b>	Mixed (Dog)		
<b>Age</b>	9 Years		
<b>District Involved</b>	PFR [B6] DO		

**Product information**

**Individual Case Safety Report Number:** 2061474

**Product Group:** Pet Food

**Product Name:** Merrick Limited Ingredient Diet Grain-Free Real Lamb & Sweet Potatoes Recipe Dry Dog Food, 22 l, Nature's Variety Instinct Limited Ingredient Diet Lamb Meal & Peas given ~2014 through 03/15/2016

**Description:** [B6] had just turned 9 years old and was fine. She still played with toys, had lots of energy, took long daily walks, and was in good health. She was a happy rambunctious dog. Overnight she became ill with an enlarged heart. She was coughing, had trouble breathing, lost her appetite and had no energy. I took her to her vet and was told she needed to be seen by the cardiologist at [B6] immediately. She had an

enlarged heart, fluid on her lungs, and a leaky valve. Although she was on a heavy regimen of prescription drugs (increased in frequency and strength over time), and had frequent follow up visits with the cardiologists at

**B6** she grew weaker over time and her heart eventually gave out after a **B6** month battle with DCM.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Died Naturally

**Number of Animals Treated With Product:** 2

**Number of Animals Reacted With Product:** 1

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Nature's Variety Instinct Limited Ingredient Diet Lamb Meal & Peas given ~2014 through 03/15/2016		
Merrick Limited Ingredient Diet Grain-Free Real Lamb & Sweet Potatoes Recipe Dry Dog Food, 22 l		

**Sender information**

**B6**

USA

To view this PFR Event, please click the link below:

**B6**

To view the PFR Event Report, please click the link below:

**B6**

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Report Details - EON-376853		
ICSR:	2061474	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2019-01-18 18:42:24 EST	
Reporter is the Animal Owner:	Yes	
Reported Problem:	<b>Problem Description:</b> B6 had just turned 9 years old and was fine. She still played with toys, had lots of energy, took long daily walks, and was in good health. She was a happy rambunctious dog. Overnight she became ill with an enlarged heart. She was coughing, had trouble breathing, lost her appetite and had no energy. I took her to her vet and was told she needed to be seen by the cardiologist at B6 immediately. She had an enlarged heart, fluid on her lungs, and a leaky valve. Although she was on a heavy regimen of prescription drugs (increased in frequency and strength over time), and had frequent follow up visits with the cardiologists at B6, she grew weaker over time and her heart eventually gave out after a 9 month battle with DCM.	
	<b>Date Problem Started:</b> 09/20/2017	
	<b>Concurrent Medical Problem:</b> Yes	
	<b>Pre Existing Conditions:</b> She took 1/2 of an Apoquel daily for allergies, which i expect is unrelated. But because of allergies, she ate grain free dog food daily for years which i suspect caused her sudden onset of DCM.	
	<b>Outcome to Date:</b> Died Naturally	
	<b>Date of Death:</b> B6	
Product Information:	<b>Product Name:</b> Nature's Variety Instinct Limited Ingredient Diet Lamb Meal & Peas given ~2014 through 03/15/2016	
	<b>Product Type:</b> Pet Food	
	<b>Lot Number:</b>	
	<b>Package Type:</b> BAG	
	<b>Package Size:</b> 25.3 Pound	
	<b>Purchase Date:</b> 03/15/2016	
	<b>Number Purchased:</b> 1	
	<b>Possess Unopened Product:</b> No	
	<b>Possess Opened Product:</b> No	
	<b>Storage Conditions:</b> put into a plastic pet food container (vault) as soon as it arrived	
	<b>Product Use Information:</b>	<b>Description:</b> Dry dog food, fed 2x daily, given plain
		<b>Time Interval between Product Use and Adverse Event:</b> 18 Months
		<b>Perceived Relatedness to Adverse Event:</b> Probably related
<b>Other Foods or Products Given to the Animal During This Time Period:</b> No		
<b>Manufacturer /Distributor Information:</b>		
<b>Purchase Location Information:</b>		
<b>Name:</b> Amazon.com and Chewy.com		

	<b>Address:</b>	United States
<b>Product Name:</b>	Merrick Limited Ingredient Diet Grain-Free Real Lamb & Sweet Potatoes Recipe Dry Dog Food, 22 l	
<b>Product Type:</b>	Pet Food	
<b>Lot Number:</b>		
<b>Package Type:</b>	BAG	
<b>Package Size:</b>	22 Pound	
<b>Number Purchased:</b>	1	
<b>Possess Unopened Product:</b>	No	
<b>Possess Opened Product:</b>	No	
<b>Storage Conditions:</b>	It was put into a plastic pet food container (vault) as soon as it arrived	
<b>Product Use Information:</b>	<b>Description:</b>	Dry food fed 2x daily. Mixed with a small amount (~1 1/2 tsp) of chopped broccoli
	<b>First Exposure Date:</b>	01/19/2017
	<b>Last Exposure Date:</b>	<b>B6</b>
	<b>Time Interval between Product Use and Adverse Event:</b>	5 Years
	<b>Product Use Stopped After the Onset of the Adverse Event:</b>	No
	<b>Perceived Relatedness to Adverse Event:</b>	Probably related
	<b>Other Foods or Products Given to the Animal During This Time Period:</b>	Yes
	<b>Manufacturer /Distributor Information:</b>	
<b>Purchase Location Information:</b>	<b>Name:</b>	Chewy.com (purchased online)
	<b>Address:</b>	United States
<b>Animal Information:</b>	<b>Name:</b>	<b>B6</b>
	<b>Type Of Species:</b>	Dog
	<b>Type Of Breed:</b>	Mixed (Dog)
	<b>Gender:</b>	Female
	<b>Reproductive Status:</b>	Neutered
	<b>Weight:</b>	40 Pound
	<b>Age:</b>	9 Years
	<b>Assessment of Prior Health:</b>	Good
	<b>Number of Animals Given the Product:</b>	2
	<b>Number of Animals Reacted:</b>	1
	<b>Owner Information:</b>	
<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	<b>B6</b>
	<b>Contact: Name:</b>	<b>B6</b>

		Phone:	B6
	Address:	B6	
		United States	
	Type of Veterinarian:	Referred veterinarian	
	Date First Seen:	09/20/2017	
	Permission to Release Records to FDA:	Yes	

Sender Information:	Name:	B6		
	Address:	B6		
		United States		
	Contact:	Phone:	B6	
		Email:	B6	
	Permission To Contact Sender:	Yes		
	Preferred Method Of Contact:	Email		
Reported to Other Parties:	None			

Additional Documents:



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**From:** PFR Event <pfreventcreation@fda.hhs.gov>  
**To:** Cleary, Michael \*; HQ Pet Food Report Notification; [REDACTED] B6  
**Sent:** 1/8/2019 6:36:20 PM  
**Subject:** Natural Balance L.I.D. Limited Ingredient Diets- Sweet Potato & Fish Dry Dog Formula [REDACTED] B6 - EON-375818  
**Attachments:** 2060968-report.pdf

A PFR Report has been received and PFR Event [EON-375818] has been created in the EON System.

A "PDF" report by name "2060968-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

**EON Key:** EON-375818

**ICSR #:** 2060968

**EON Title:** PFR Event created for Natural Balance L.I.D. Limited Ingredient Diets® Sweet Potato & Fish Dry Dog Formula; 2060968

<b>AE Date</b>	05/01/2018	<b>Number Fed/Exposed</b>	1
<b>Best By Date</b>		<b>Number Reacted</b>	1
<b>Animal Species</b>	Dog	<b>Outcome to Date</b>	Unknown
<b>Breed</b>	Terrier - Boston		
<b>Age</b>	8 Years		
<b>District Involved</b>	PFR [REDACTED] B6 DO		

**Product information**

**Individual Case Safety Report Number:** 2060968

**Product Group:** Pet Food

**Product Name:** Natural Balance L.I.D. Limited Ingredient Diets® Sweet Potato & Fish Dry Dog Formula

**Description:** Our dog has been eating a grain-free food (Natural Balance) since she was a puppy. She was recently diagnosed with a heart murmur and enlarged heart. This is unusual in her breed, and has been associated with grain free foods by the FDA. If possible, I would like assistance with testing expenses.

**Submission Type:** Initial

**Report Type:** Adverse Event (a symptom, reaction or disease associated with the product)

**Outcome of reaction/event at the time of last observation:** Unknown

**Number of Animals Treated With Product: 1**

**Number of Animals Reacted With Product: 1**

<b>Product Name</b>	<b>Lot Number or ID</b>	<b>Best By Date</b>
Natural Balance L.I.D. Limited Ingredient Diets® Sweet Potato & Fish Dry Dog Formula		

**Sender information**

**B6**

USA

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**Report Details - EON-375818**

<b>ICSR:</b>	2060968		
<b>Type Of Submission:</b>	Initial		
<b>Report Version:</b>	FPSR.FDA.PETF.V.V1		
<b>Type Of Report:</b>	Adverse Event (a symptom, reaction or disease associated with the product)		
<b>Reporting Type:</b>	Voluntary		
<b>Report Submission Date:</b>	2019-01-08 13:27:41 EST		
<b>Reporter is the Animal Owner:</b>	Yes		
<b>Reported Problem:</b>	<b>Problem Description:</b>	Our dog has been eating a grain-free food (Natural Balance) since she was a puppy. She was recently diagnosed with a heart murmur and enlarged heart. This is unusual in her breed, and has been associated with grain free foods by the FDA. If possible, I would like assistance with testing expenses.	
	<b>Date Problem Started:</b>	05/01/2018	
	<b>Concurrent Medical Problem:</b>	No	
	<b>Outcome to Date:</b>	Unknown	
<b>Product Information:</b>	<b>Product Name:</b>	Natural Balance L.I.D. Limited Ingredient Diets® Sweet Potato & Fish Dry Dog Formula	
	<b>Product Type:</b>	Pet Food	
	<b>Lot Number:</b>		
	<b>Package Type:</b>	BAG	
	<b>Possess Unopened Product:</b>	No	
	<b>Possess Opened Product:</b>	Yes	
	<b>Storage Conditions:</b>	Stored in a sealed plastic tub	
	<b>Product Use Information:</b>	<b>Description:</b>	Food
		<b>First Exposure Date:</b>	01/01/2012
		<b>Last Exposure Date:</b>	01/04/2019
		<b>Time Interval between Product Use and Adverse Event:</b>	7 Years
		<b>Product Use Stopped After the Onset of the Adverse Event:</b>	Yes
		<b>Adverse Event Abate After Product Stop:</b>	Unknown
		<b>Product Use Started Again:</b>	No
<b>Perceived Relatedness to Adverse Event:</b>		Probably related	
<b>Manufacturer /Distributor Information:</b>			
<b>Purchase Location Information:</b>	<b>Name:</b>	B6	
	<b>Address:</b>	B6	
		United States	

<b>Animal Information:</b>	<b>Name:</b>	B6		
	<b>Type Of Species:</b>	Dog		
	<b>Type Of Breed:</b>	Terrier - Boston		
	<b>Gender:</b>	Female		
	<b>Reproductive Status:</b>	Neutered		
	<b>Weight:</b>	22 Pound		
	<b>Age:</b>	8 Years		
	<b>Assessment of Prior Health:</b>	Excellent		
	<b>Number of Animals Given the Product:</b>	1		
	<b>Number of Animals Reacted:</b>	1		
	<b>Owner Information:</b>			
	<b>Healthcare Professional Information:</b>	<b>Practice Name:</b>	B6	
		<b>Contact:</b>	<b>Name:</b>	B6
			<b>Phone:</b>	B6
			<b>Email:</b>	B6
<b>Address:</b>		B6		
		United States		
<b>Type of Veterinarian:</b>		Primary/regular veterinarian		
<b>Date First Seen:</b>		05/01/2018		
<b>Permission to Release Records to FDA:</b>		Yes		
<b>Sender Information:</b>		<b>Name:</b>	B6	
	<b>Address:</b>	B6		
		United States		
	<b>Contact:</b>	<b>Phone:</b>	B6	
		<b>Email:</b>	B6	
	<b>Permission To Contact Sender:</b>	Yes		
	<b>Preferred Method Of Contact:</b>	Email		
	<b>Reported to Other Parties:</b>	None		
<b>Additional Documents:</b>				