


**PATIENT**

Trixie Mulvaney

**PRESENTING CLINICAL SIGNS**

Possible syncopal versus seizure episodes. Started in Feb, now daily.

**SPECIES**

Canine

**BREED**

Boxer

**SEX**

Spayed Female

**AGE**

7 Years

**WEIGHT**

68.1 Pounds

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.2		1.8	2.5	10-15	40	1.65
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT		--	0.56		6.5	5.77	

**Cardiac Presentation**

Rapid echocardiogram performed owing to the precarious nature of the presentation. The cardiac presentation revealed severe volume overload of the left atrium and left ventricle, mild volume overload of the right atrium. Mitral and tricuspid insufficiency noted. Pulmonic outflow velocity was subnormal. No pericardial or pleural effusion noted. Contractility was significantly poor. Thinning of the left ventricular septum and free wall noted. EPSS was excessive. Arrhythmogenic activity noted.

**INTERPRETED BY**

 Eric Lindquist, DMV  
 DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

 Eric Lindquist, DMV  
 DABVP, Cert. IVUSS

**HOSPITAL NAME**

Franklin Lakes AH

**REFERRING VET**
**ULTRASONOGRAPHIC FINDINGS**

- DCM presentation

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

This is most consistent with dilatative cardiomyopathy with left-sided failure and arrhythmogenic disease or end stage Boxer cardiomyopathy. Recommend cage rest in this patient. Lasix at 2-3 mg/kg BID, ACE inhibitor 0.5 mg/kg SID progressing to BID, Pimobendan 0.3 mg/kg BID. Taurine supplementation and nutraceuticals warranted. EKG warranted. This patient is at high risk for sudden death. Recheck echo in 10 days. After 2-3 days of therapy, and if the patient is stable, Spironolactone could be considered at 1-2 mg/kg BID. Recheck echo in 7-10 days. Recheck BUN, creatinine, USG, chest radiographs, basal respiratory rate, EKG all indicated in 5-7 days.

**INVOICE**

37283

**DATE**

4/29/22



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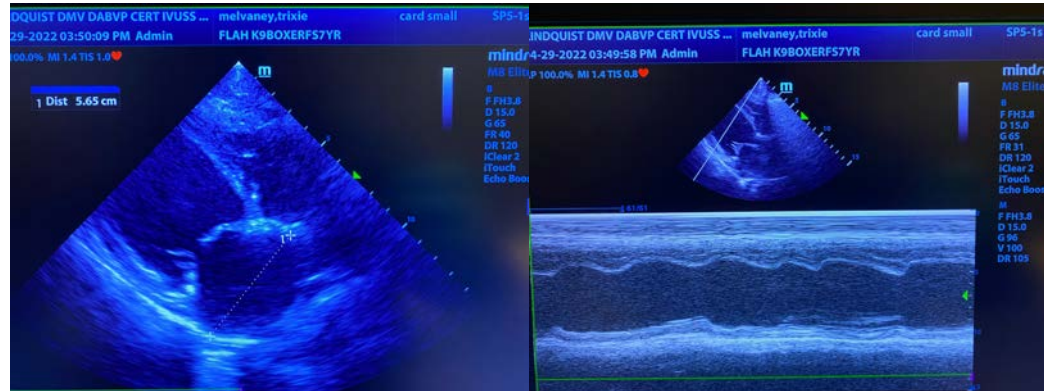
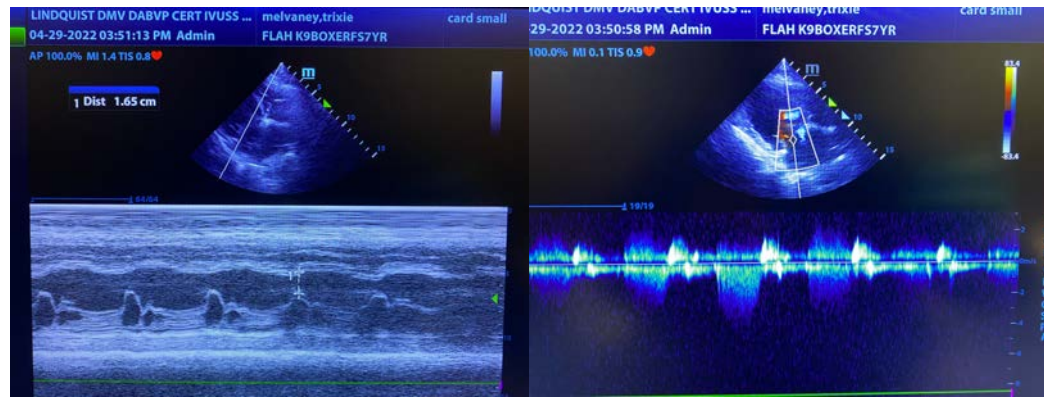
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

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