



## PATIENT PRESENTING CLINICAL SIGNS

**PATIENT**  
Odesssa Doyle History: History of soft L basilar systolic murmur. Has not been auscultated in the past

## SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

### BREED

Pit Bull Mix

### SEX

Spayed female

### AGE

3 years

### WEIGHT

73 lbs

### INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

### IMAGING PERFORMED BY

Torch River Veterinary  
Mobile Services

### HOSPITAL NAME

Torch Lake VS

### REFERRING VET

Dr. Waffle

### INVOICE

76309

### DATE

7/31/23

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The aortic valve was slightly thickened, yet changes are minor. The **aortic velocity** was excessive at 3.2 m/sec. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base;)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT			1.0	0.9	45	77	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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		3.2	1.73	73 lbs	4.4 max	3.66	

## ULTRASONOGRAPHIC FINDINGS

Mild subaortic stenosis pattern, compensated at this time. Slightly development SAS given the velocity, yet minor and likely will not be an issue for the patient.



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Oddessa Doyle

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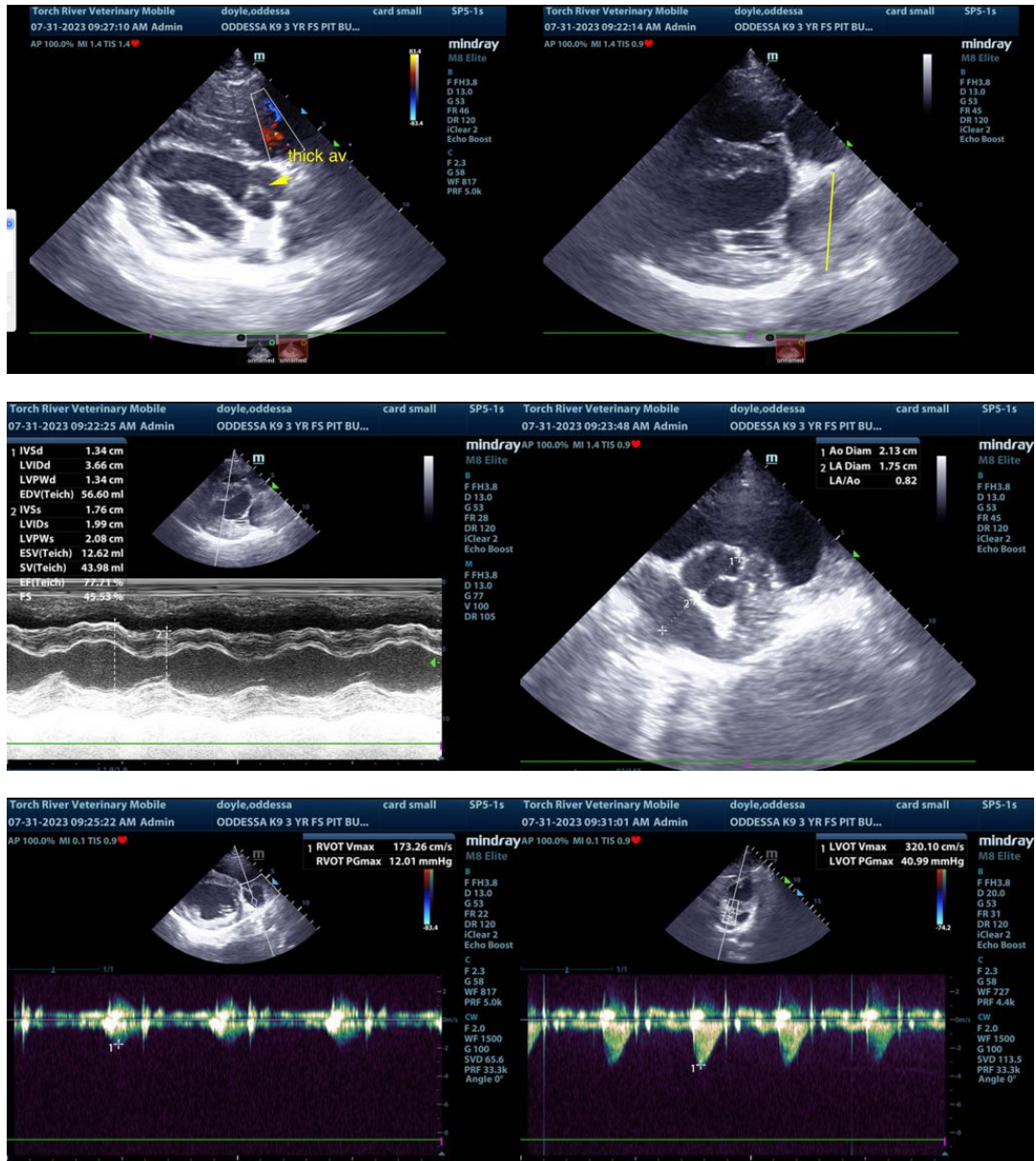
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No treatment is recommended. There is no overt contraindication to anesthetic procedure. Blood pressure measurements are warranted. Recheck echocardiogram in 6-12 months.



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.



**PATIENT**

Oddessa Doyle

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

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