



**PATIENT PRESENTING CLINICAL SIGNS**

Teddy Lonsky History: Since 5/29/23 lethargic, vomiting, losing weight. R/O Cardiomyopathy (grain free diet) vs Neoplasia vs other. Current Meds: Adequan inj.  
 Abnormal PE/Chem/CBC/UA Results: Unremarkable

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

**BREED**

Labrador Retriever

The **left atrial** free wall in this patient revealed a mural mass that measured 5.6 x 4.25 cm and obstructed pulmonary vein inflow. The mass is consistent with invasion of the right ventricular free wall. The interval volume of the left atrium was normal. The **mitral** valve revealed insufficiency that measured 5.2 m/sec. 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 **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** insufficiency was noted. 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 pericardial effusion was noted; however, arrhythmogenic activity is present.

**SEX**

Male

**AGE**

12 ½ years

**WEIGHT**

64 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Shari Reffi CVT

**HOSPITAL NAME**

Animal General  
Augusta

**REFERRING VET**

Dr. Pileci

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	<1.6	28-40	40-100	<0.6
PATIENT	5.2	2.7	1.3	1.46	36	65	NM
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	118			64 lbs	5.1	4.52	

**ULTRASONOGRAPHIC FINDINGS**

Left atrial/auricular and left ventricular mural mass. Consistent with sarcoma. Obstruction of pulmonary vein inflow and arrhythmogenic activity was noted.

Mitral and tricuspid insufficiency.

**INVOICE**

75983

**DATE**

7/7/23



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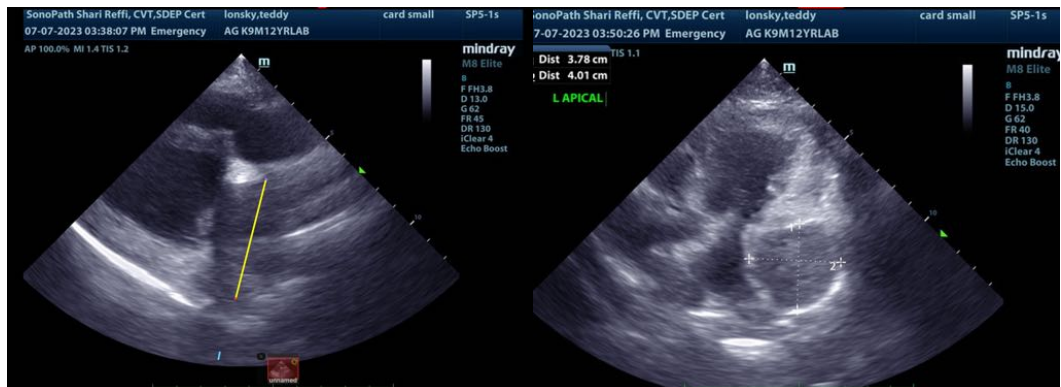
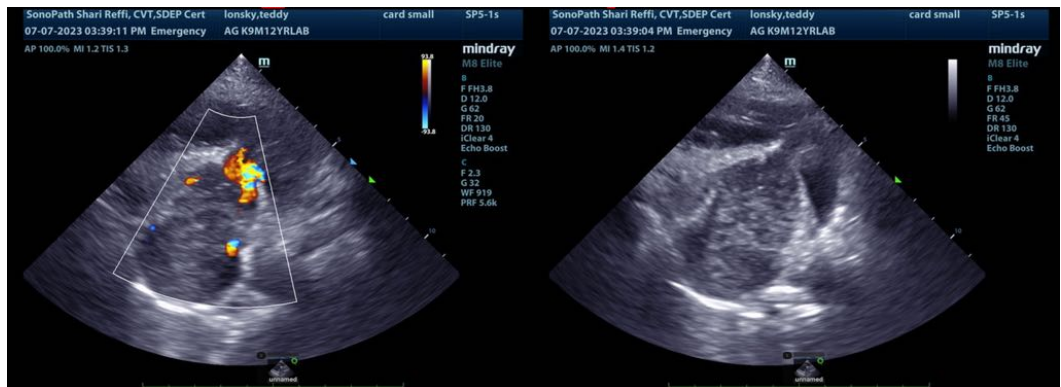
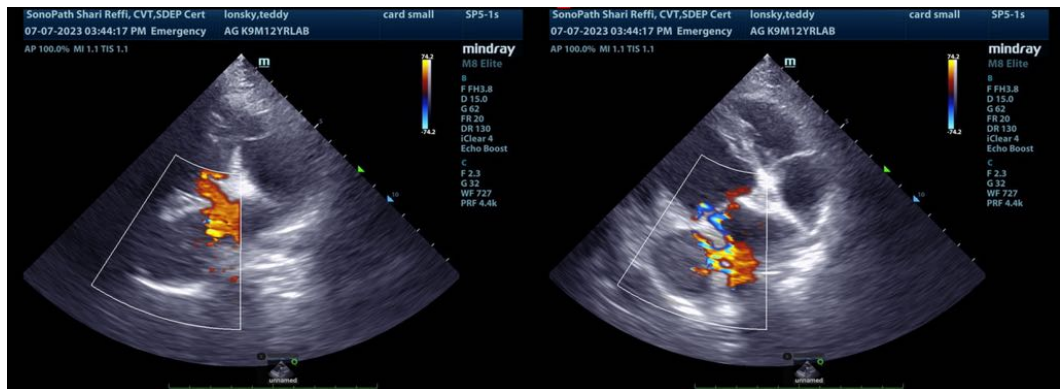
75983

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

I recommend oncology referral in this patient. An abdominal sonogram is recommended to assess for related disease such as lymphoma or similar. The prognosis is guarded to poor depending on eventual responsiveness to chemotherapy.





**PATIENT**

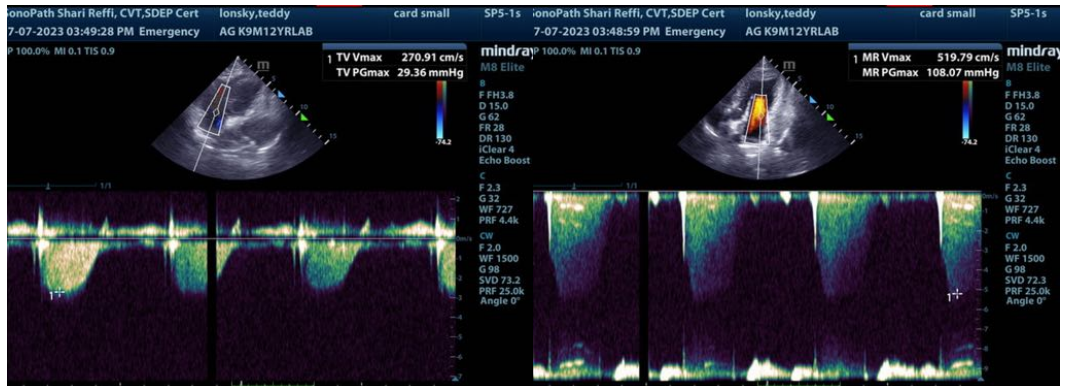
Teddy Lonsky

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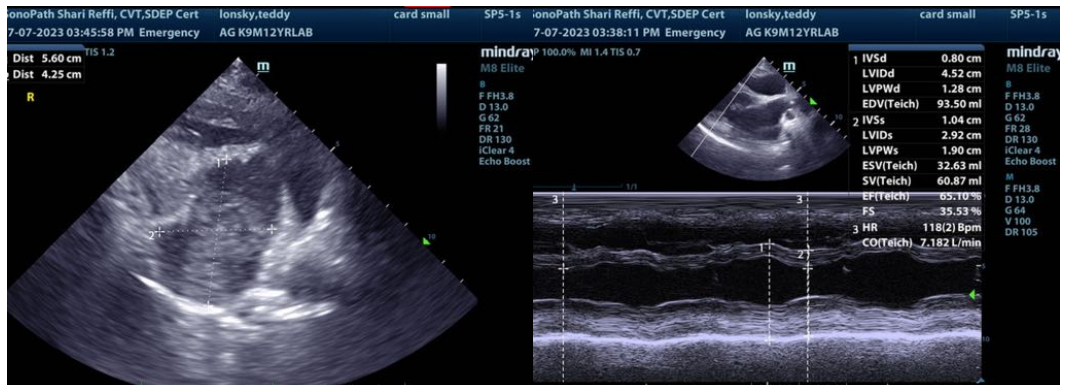
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**AGE**

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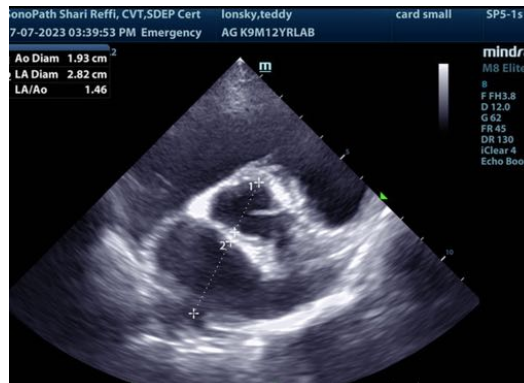
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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**  
info@SonoPath.com