



**PATIENT**

Saint Jagtiani

**SPECIES**

Canine

**BREED**

Yorkie x

**SEX**

Neutered Male

**AGE**

8 Years

**WEIGHT**

12 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP (CFM), Cert.  
IVUSS

**IMAGING PERFORMED BY**

Dr. Ken Leal

**HOSPITAL NAME**

Chester Animal  
Hospital

**REFERRING VET**

Dr. Migliaccio

**INVOICE**

72339

**DATE**

12/4/25

**PRESENTING CLINICAL SIGNS**

Mediastinal thickening / mass Pleural effusion weakness, difficulty breathing Medications : prednisone 5 mg sid

Abnormal PE/Chem/CBC/UA Results: Amylase = 436, CI = 105 glucose = 149 BUN = 6 eos = 0.05 K/ul

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
<b>NORMAL PARAMETER</b>	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
<b>PATIENT</b>	--	--	1.0	1.0	40	80	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (lbs)	LAD LA MAX 4 Chamber	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
<b>NORMAL PARAMETER</b>	50-100	0.7-1.7	0.7-1.6				
<b>PATIENT</b>	110	1.03	0.99	12	2.0	1.7	--

**Cardiac Presentation**

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 **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** 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). The cranial mediastinum revealed a 2.6 cm parenchymal mass. The mass appears to be separate from the heart. There is a cystic component to the mass as well. A combined grouping of the cystic and parenchymal portion of the mass measured 5.2 cm.

**ULTRASONOGRAPHIC FINDINGS**

- Normal echocardiogram with cystic and parenchymal cranial mediastinal mass – thymoma, round cell neoplasia, abscessation less likely.



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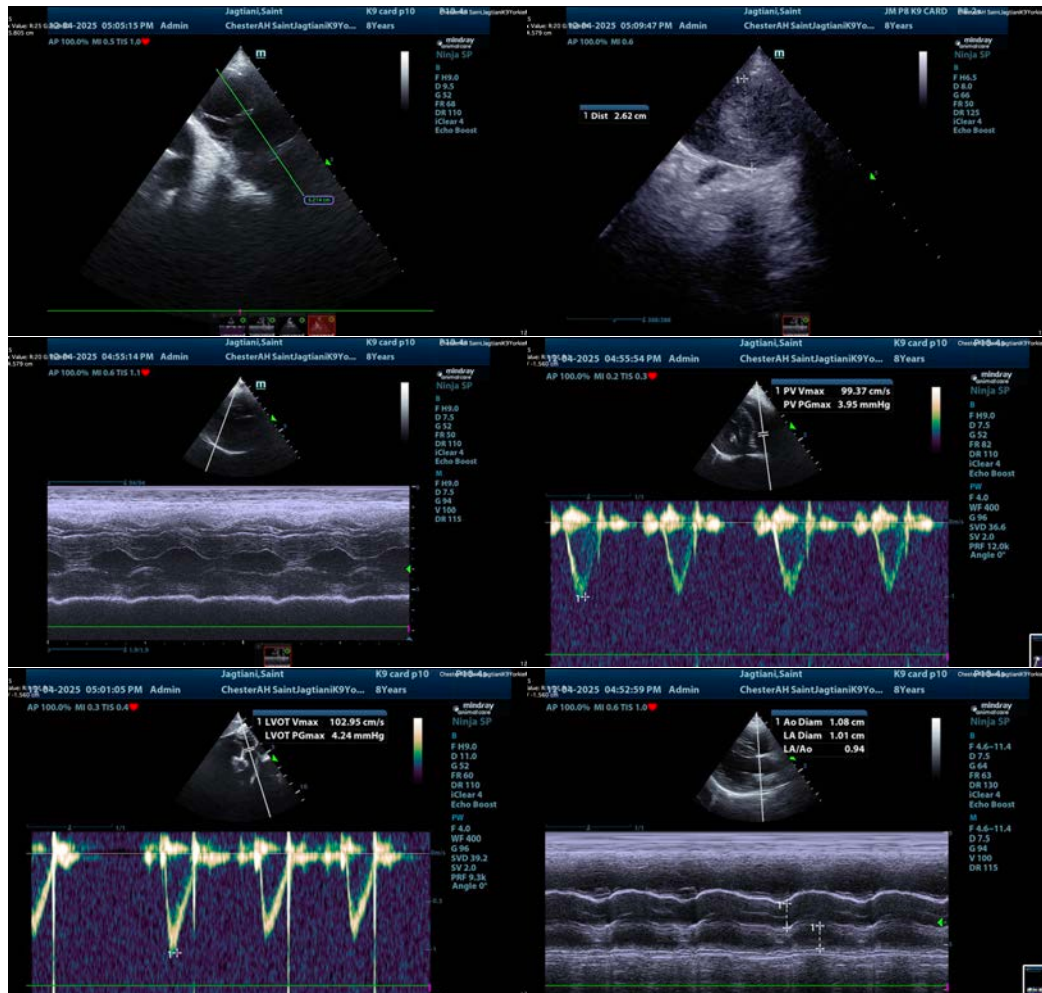
12/4/25

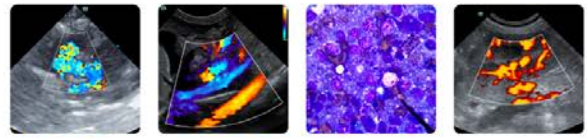
**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The mass appears potentially resectable and appears to move separately from the heart. Abdominal sonogram recommended to assess for comorbidities. Chest CT for surgical planning indicated. Ultrasound guided FNA and drainage could be considered at the time of sedation for CT. Note the Prednisone may be causing suppression of a more significant presentation.

**SonoPath CT Services** are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at

<https://sonopath.com/services/vetimaging/>





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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(CFM), Cert. IVUSS,**  
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