

**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Hercules Taylor  
 History: High blood pressure, no heart murmur auscultated. Current Medications: Ketamine SQ (torb/midaz)  
**SPECIES** Abnormal PE/Chem/CBC/UA Results: BP: 157/128 (136); PLT-433; ProBNP-1514

Canine

**BREED ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Mix

**SEX**

Neutered male

**AGE**

10 years

**WEIGHT**

14.5 lbs

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 **right ventricle** were mildly enlarged in this patient. The right atrial to left atrial ratio 1:1. **Tricuspid** insufficiency was noted in this patient. **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.

**INTERPRETED BY**

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

**E Wave Velocity 0.9**

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	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		3.0	1.4	1.3	37	70	0.19
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	90	1.37	0.81	14.5 lbs	2.2	2.57	

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**HOSPITAL NAME**

Smithfield AH

**REFERRING VET**

Dr. Boe

**INVOICE**

77860

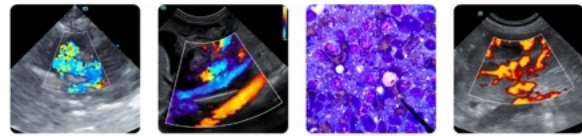
**DATE**

5/21/26

**ULTRASONOGRAPHIC FINDINGS**

Right-sided cardiac enlargement, mild.

Right atrial enlargement owing to tricuspid insufficiency and mild early pulmonary hypertension.



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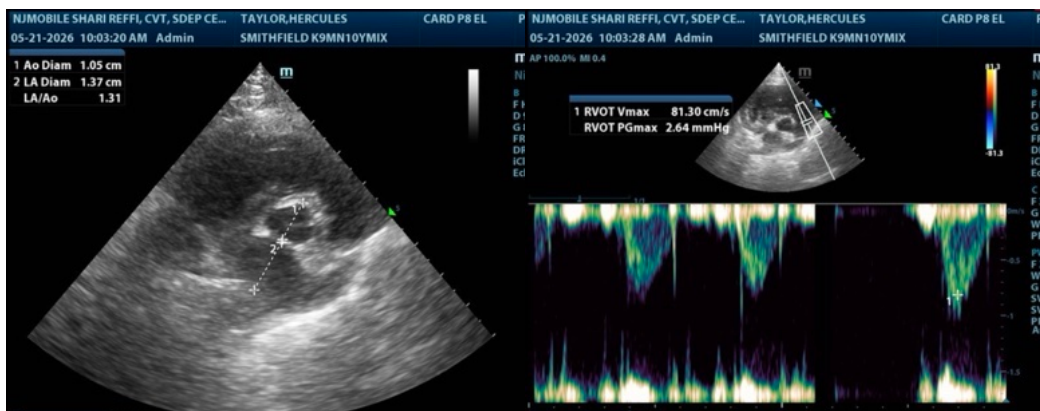
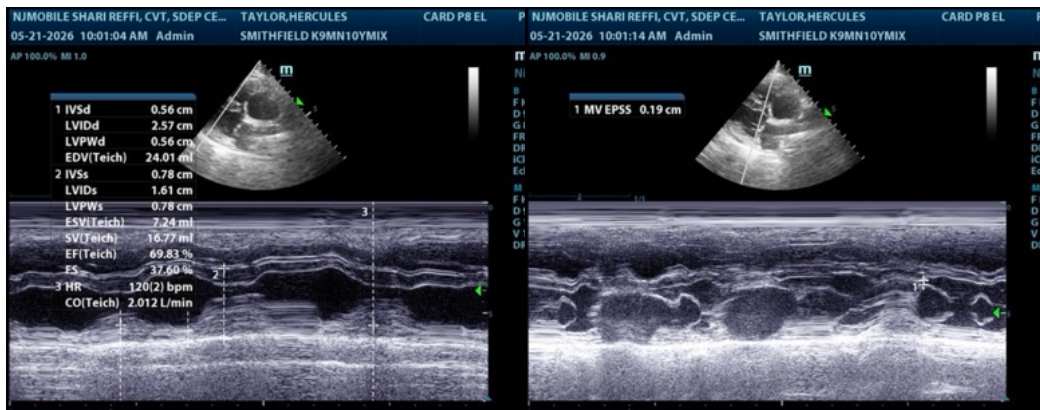
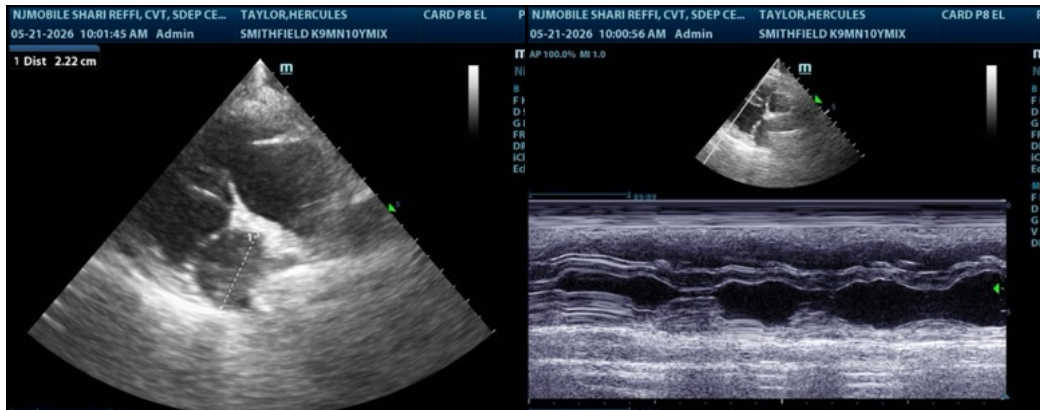
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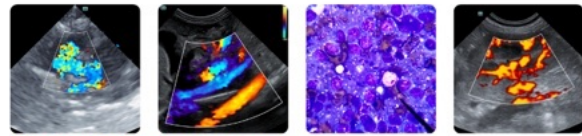
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No specific therapy is recommended. The systemic hypertension may be playing a role in the left-sided pressures as well as the right. Primary anti-hypertensives are recommended in this patient. There was no evidence of primary cardiac disease that should be clinical at this time. A recheck echocardiogram is recommended in a year or earlier if clinical indications are present.





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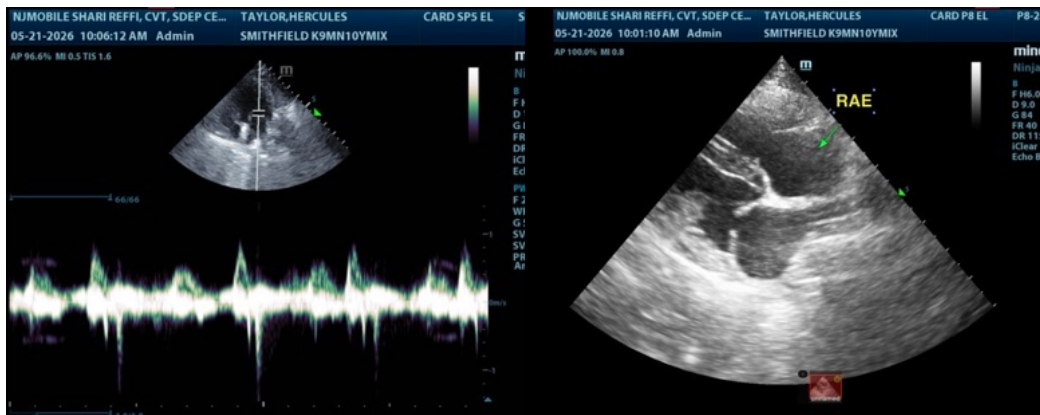
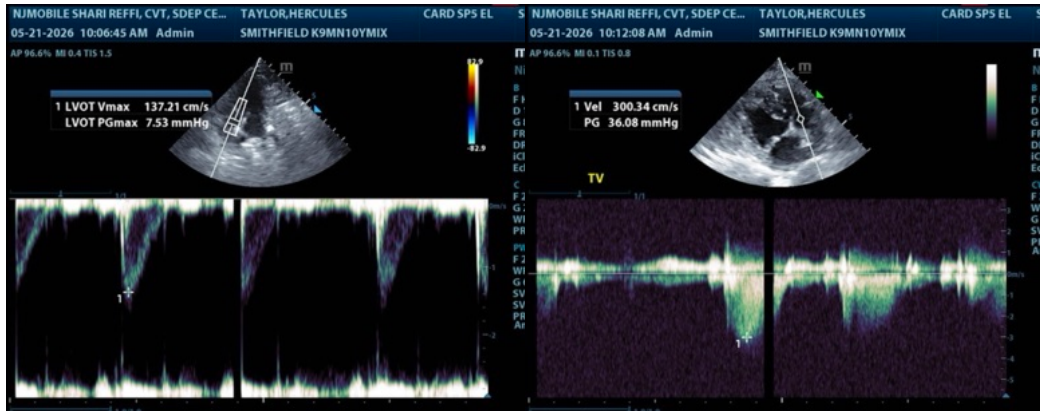
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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