



**PATIENT PRESENTING CLINICAL SIGNS**

Stout Eelman History: II/VI murmur Current meds: Rimadyl 100mg BIG  
Abnormal PE/Chem/CBC/UA Results: Not done

**SPECIES BREED SEX AGE WEIGHT INTERPRETED BY**

Canine

Mastiff

Neutered male

2 years

140 lbs

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

Jessica Miller, RDMS

Warren AH

Dr. Nicole

92649

10/26/21

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

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 in this patient and mild aortic insufficiency was noted. The **aortic velocity** was elevated at 2.7 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.

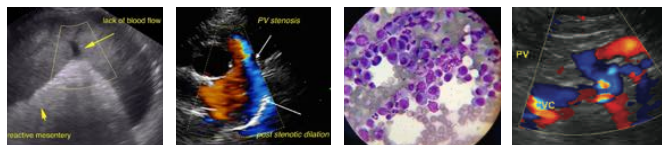
CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.15	1.18	41	72	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	LA (2D short axis Base 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				
PATIENT	171	2.7	2.04	140 lbs	5.08	4.05	

**ULTRASONOGRAPHIC FINDINGS**

Mildly increased left ventricular outflow velocity, mild form of subaortic stenosis, compensated. This is not likely going to cause a clinical issue in this patient long term.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

A recheck echocardiogram is recommended in a year. No therapy is recommended. The breeding line should be evaluated for any murmurs.



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**IMAGING PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

Warren AH

**REFERRING VET**

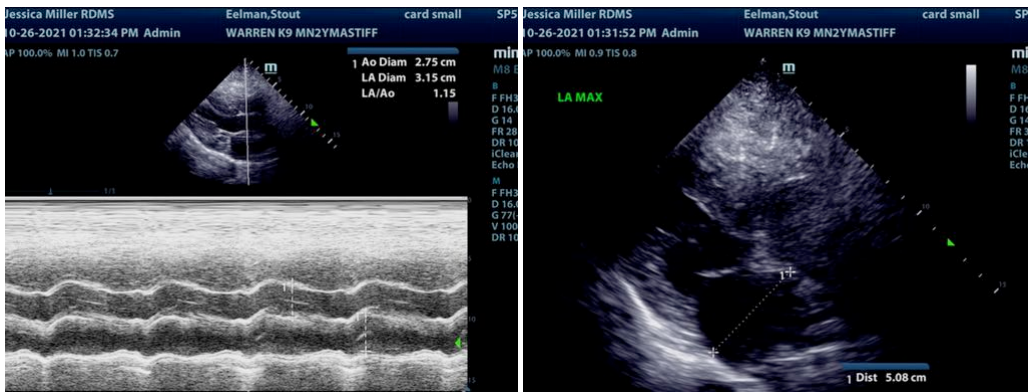
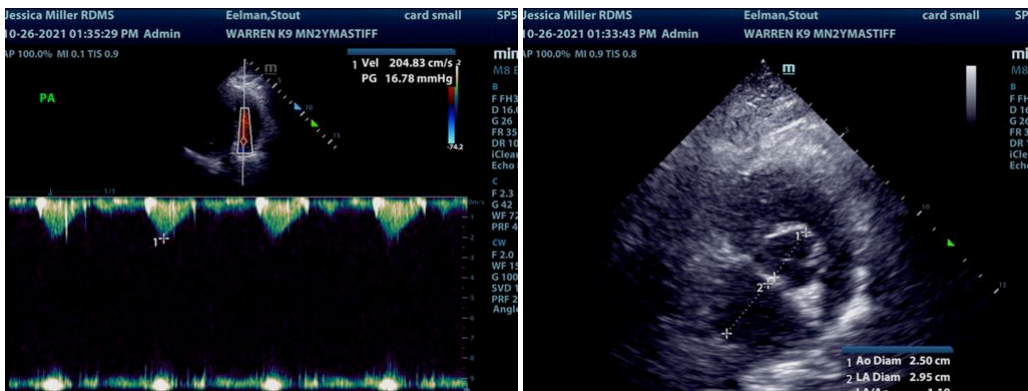
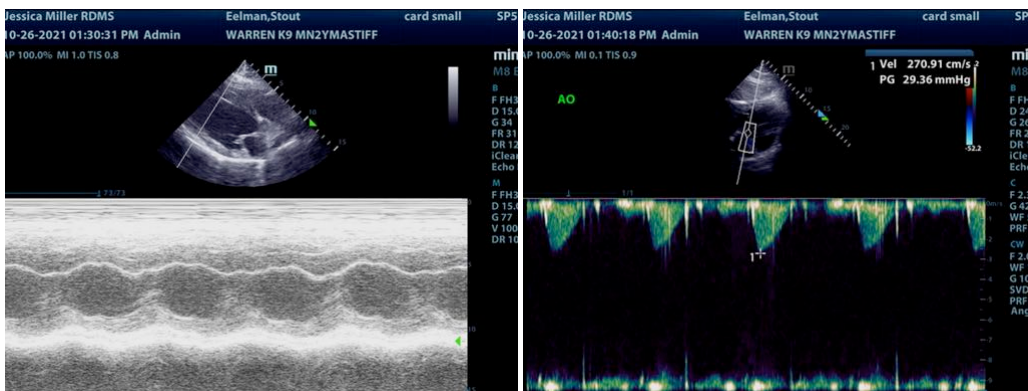
Dr. Nicole

**INVOICE**

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**DATE**

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**PATIENT**

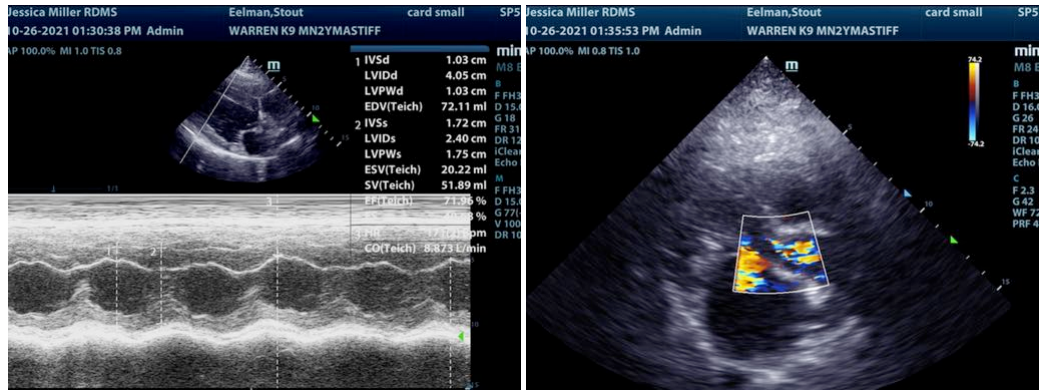
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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