



PATIENT PRESENTING CLINICAL SIGNS

Tucker Mendelaw

History: Heart murmur V / VI Current meds: Enalapril 2.5mg BID, lasix 50mg BID

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

Cockapoo

SEX

Neutered male

AGE

12 years

The echocardiogram in this patient demonstrated enlarged **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated measurable insufficiency. 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 or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** 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. No echographically detectable evidence of infiltrative disease was visible. The cranial **mediastinum** and **pericardial** regions were free of masses in the visible window.

WEIGHT

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING
PERFORMED BY

Jessica Miller RDMS

HOSPITAL NAME

Westwood Regional
VH

REFERRING VET

Dr. Curtis

INVOICE

91138

DATE

8/10/21

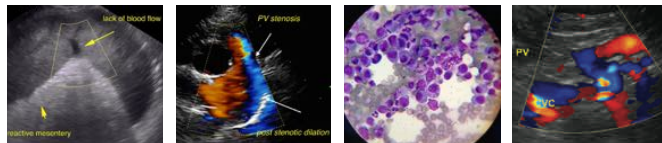
CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.61	1.85	1.93	2.14	45	77	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D 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	141		0.9		4.89 max	4.2	

ULTRASONOGRAPHIC FINDINGS

Advanced stage B2 to early C1 valvular disease based on the echocardiogram on current medications.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend adding Spironolactone at 1-2 mg/kg b.i.d. Lasix should be considered at the current dose and ace inhibitor should be maximized at 0.5 mg/kg b.i.d. Recheck echocardiogram is recommended in 1-3months.



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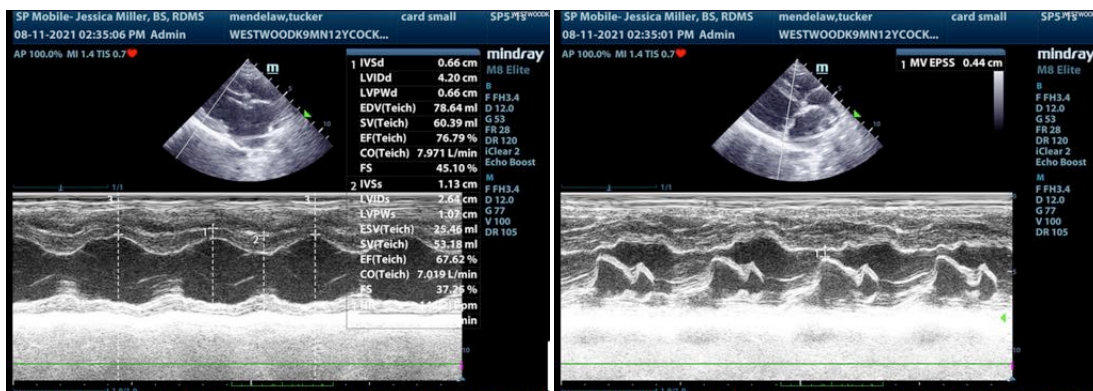
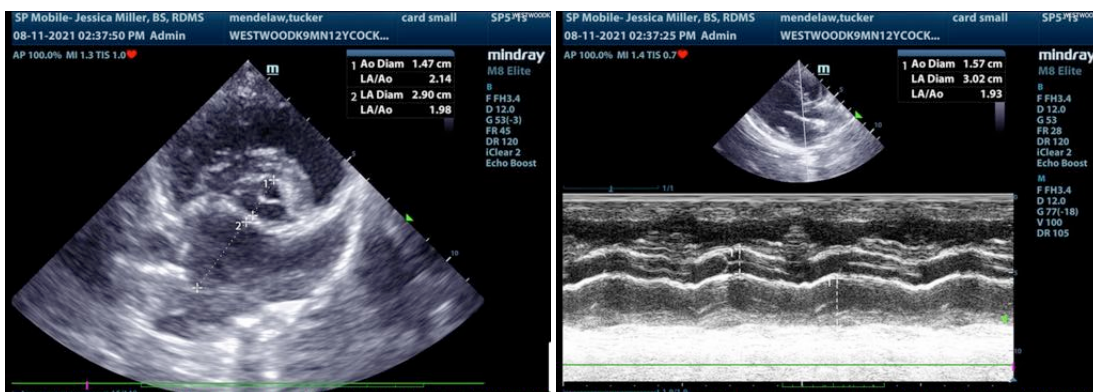
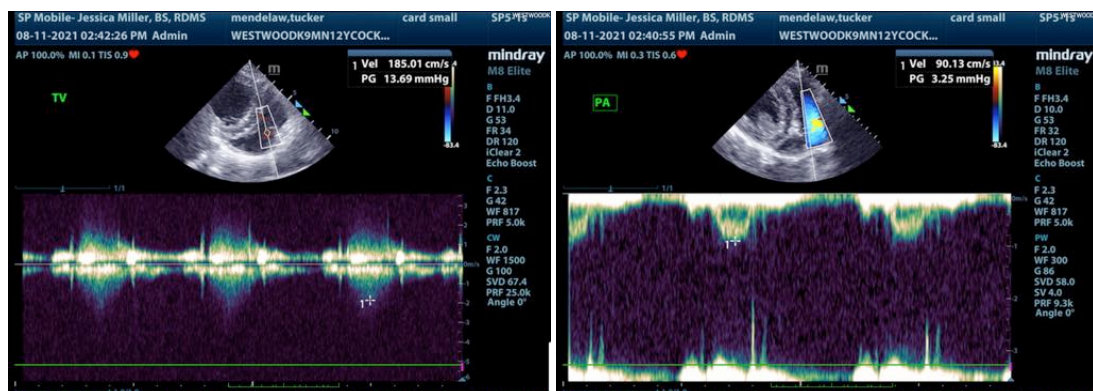
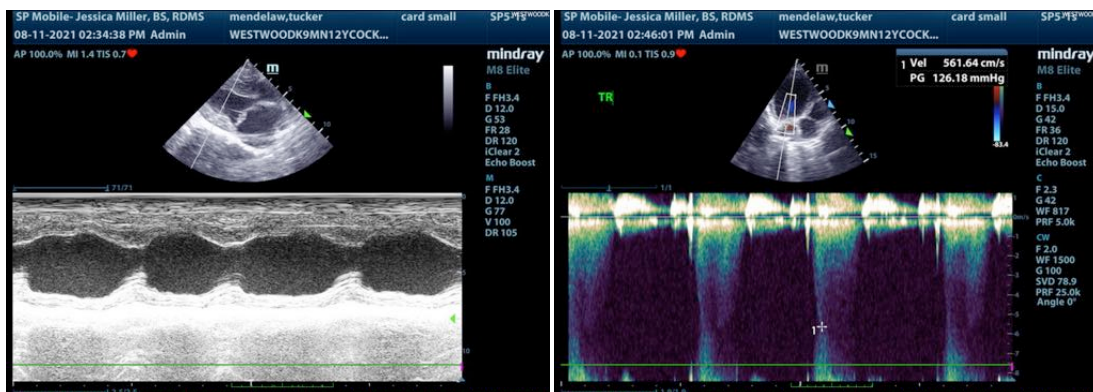
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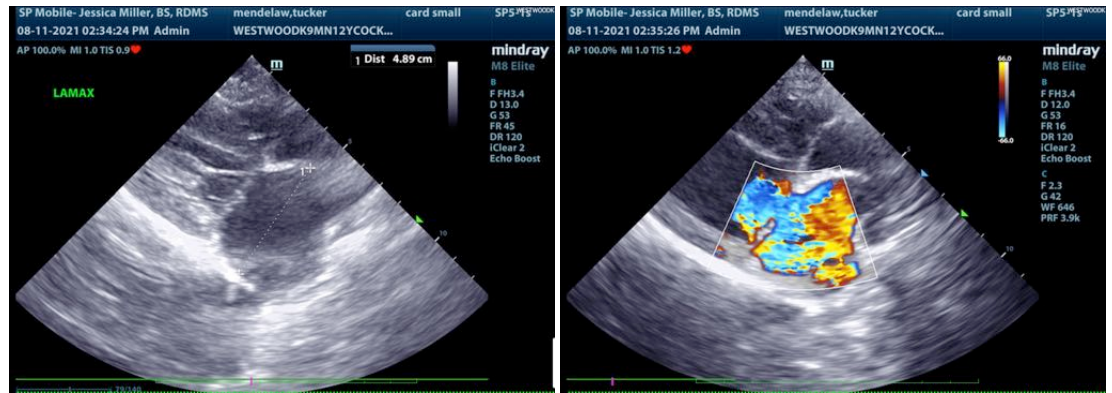
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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