



PATIENT

PRESENTING CLINICAL SIGNS

Ryder Smith

History: Owner wanted second opinion on heart murmur. Stage 2/6 diagnosed Feb 22. Patient coughs in the morning.

SPECIES

Abnormal PE/Chem/CBC/UA Results: Exam: Systolic murmur 3/6 left side Cholesterol 370 Xrays: Left atrial enlargement, VHS 10.6, hilar congestion present

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Poodle

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The **mitral** valve was thickened. 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. Trivial **tricuspid** insufficiency was noted. 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. The hepatic veins were not dilated.

SEX

Spayed female

AGE

11 years

WEIGHT

21 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Caughman

HOSPITAL NAME

Dogwood AH

REFERRING VET

Dr. Caughman

INVOICE

31556

DATE

7/11/22

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			1.1	1.4	35		0.2
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			1.5	21 lbs	2.7 max	2.4	



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ULTRASONOGRAPHIC FINDINGS

Ryder Smith

Stage B1 valvular disease.

SPECIES

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Canine

There is no evidence of volume overload. The cough is not cardiogenic. Primary respiratory protocol is recommended.

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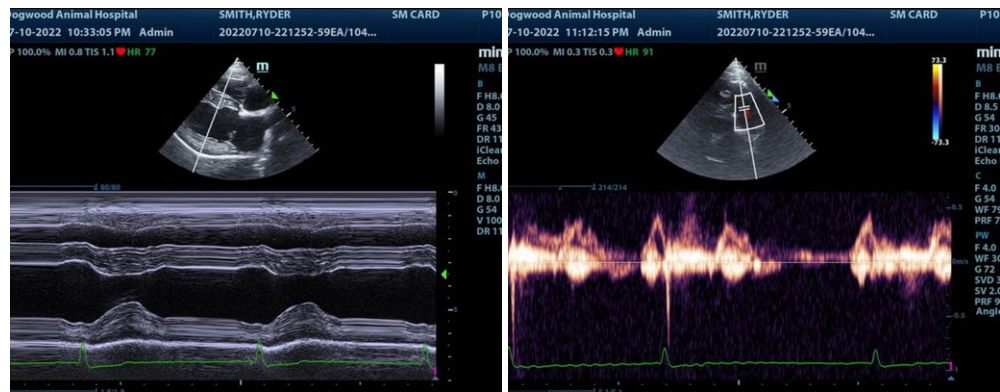
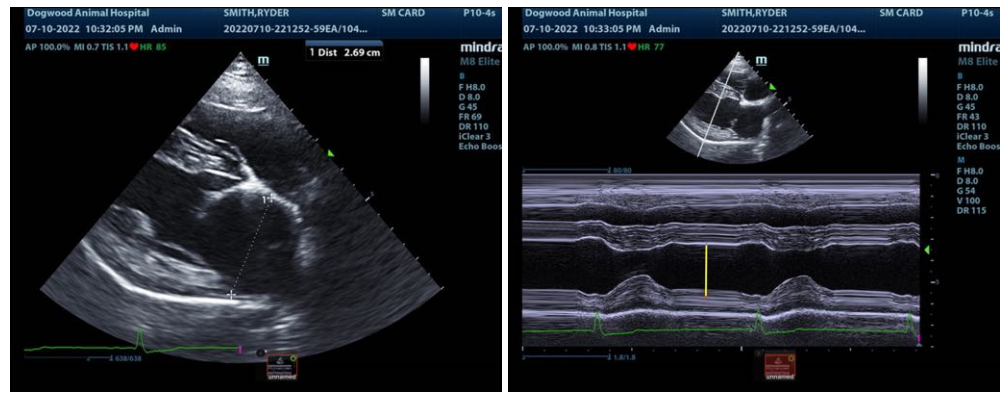
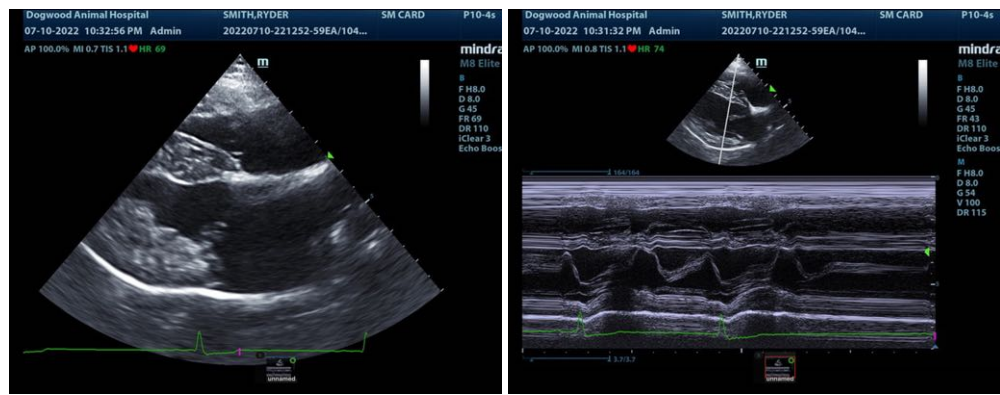
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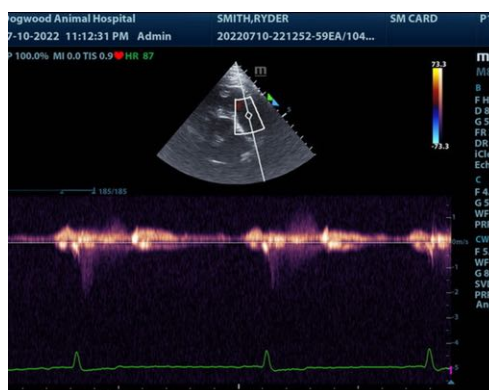
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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