



**PATIENT PRESENTING CLINICAL SIGNS**

Cosmo Hamm Grade 2/6 heart murmur. Current meds: Gabapentin, Vetmedin 5 mgs 1/2 tab a.m. and 1/4 tab p.m.

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Canine

BREED

Terrier Mix

SEX

Neutered male

AGE

10 years

WEIGHT

7.63 kg

INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Westwood Regional  
VH

REFERRING VET

Dr. Murphy

INVOICE

95399

DATE

1/19/22

The echocardiogram in this patient demonstrated normal **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. Minor aortic insufficiency was noted. 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.

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	6.0	2.5	1.3	1.3	34	65	0.29
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	87	1.33	0.79	7.63	2.41	3.11	

**ULTRASONOGRAPHIC FINDINGS**

Compensated mitral insufficiency. No volume overload at this time.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

I recommend continuation of the current protocol. A recheck is recommended in 6 months. Blood pressure measurements, renal values and basal respiratory rate should all be monitored periodically. A



**PATIENT**

recheck echocardiogram is recommended in 6 months or earlier if murmur grade increases or clinical signs initiate.

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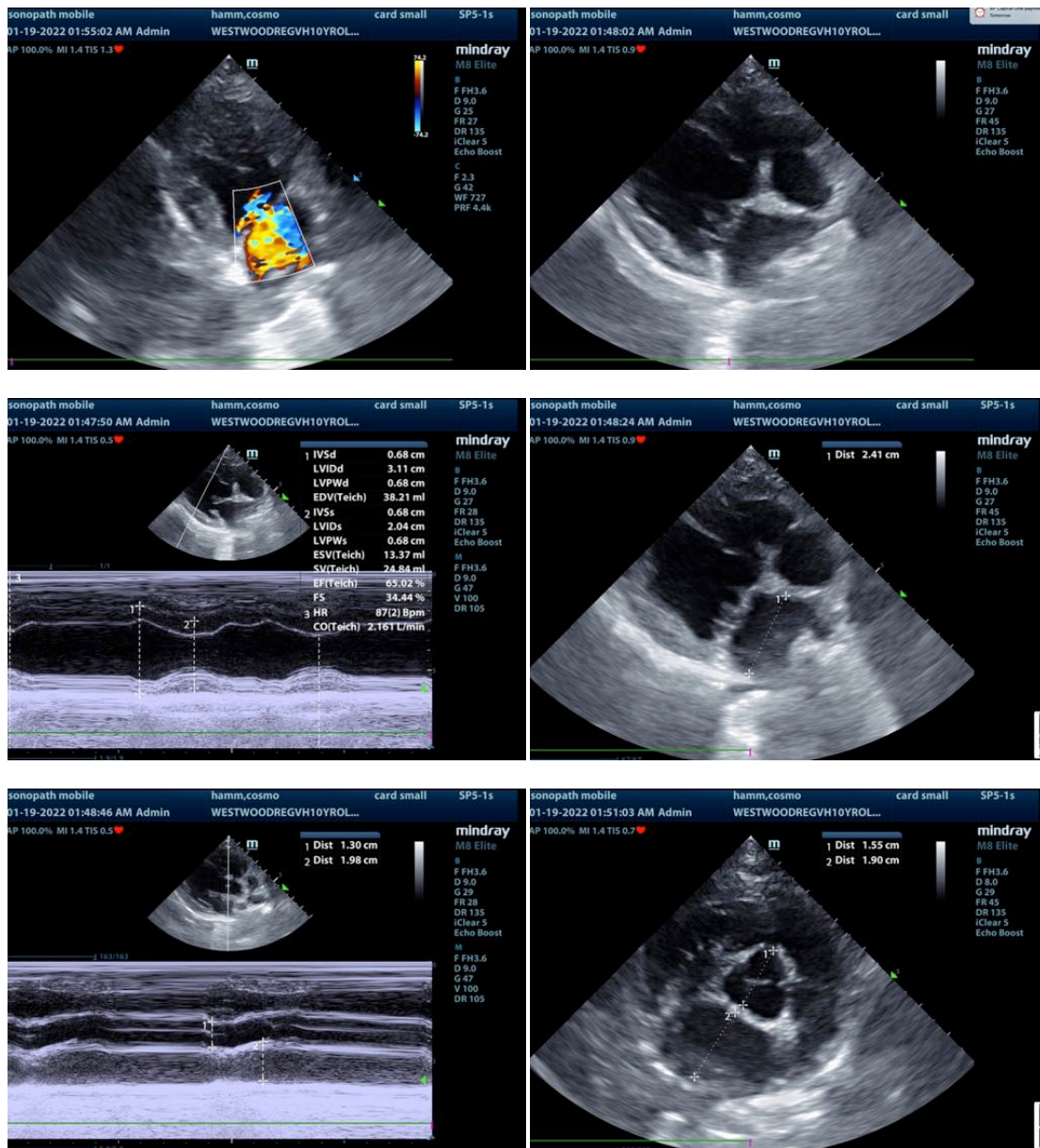
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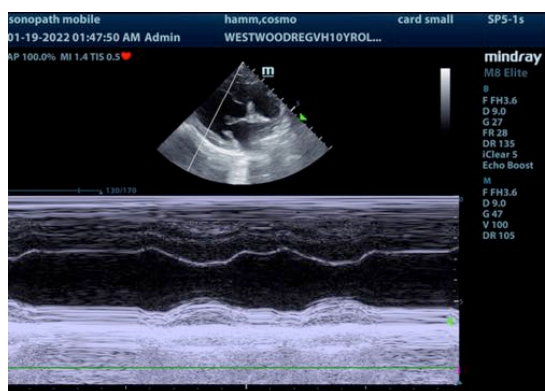
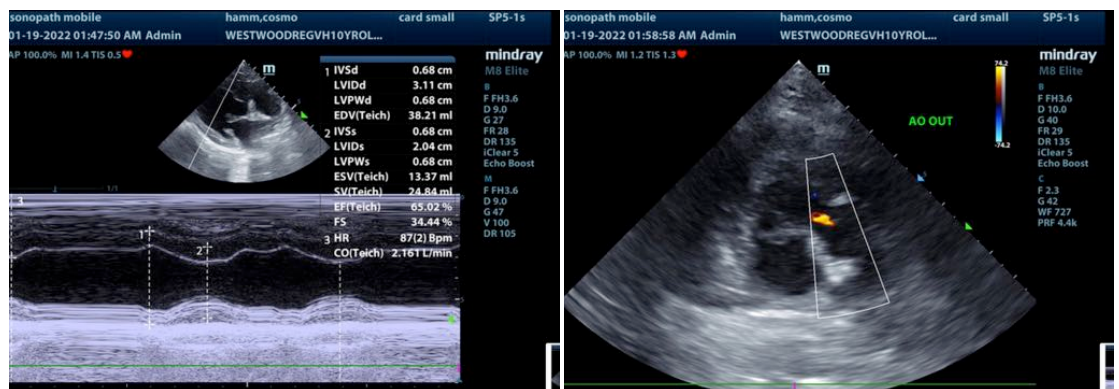
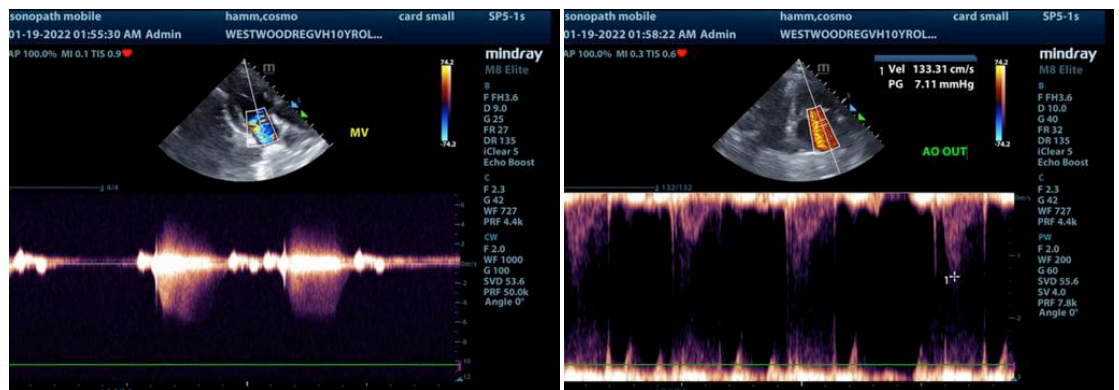
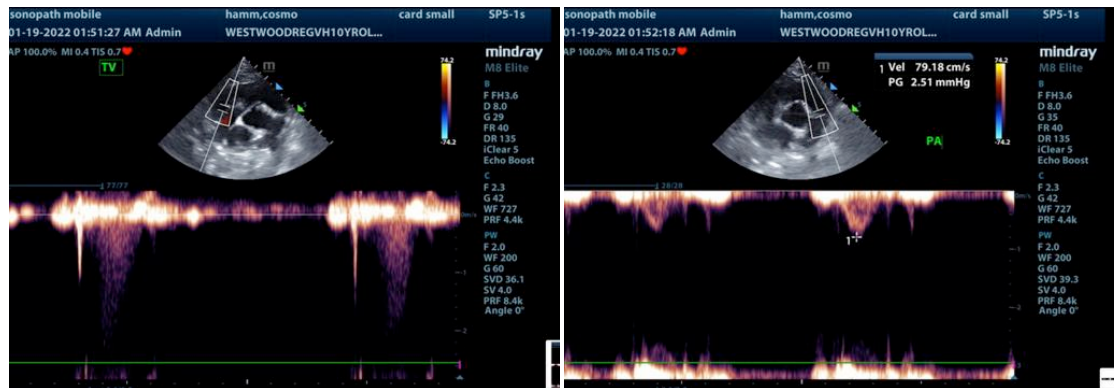
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The information and recommendations provided are based on the images presented by the referring



**PATIENT**

Cosmo Hamm

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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info@SonoPath.com

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