



PATIENT

Avery Northwest Dog Project

SPECIES

Canine

BREED

Pit

SEX

Neutered male

AGE

12 years

WEIGHT

70 lbs

PRESENTING CLINICAL SIGNS

History: Decreased exercise tolerance owner feeding kangaroo and lentil diet 2/6 murmur on exam
Current Medications gaba,vetprofen,amantadine, recommend diet w/grains and no legumes, taurine started

Abnormal PE/Chem/CBC/UA Results: BNP - 2159

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Trivial **mitral** valve insufficiency was also noted with a central to septal directed jet without significant regurgitation and infarction. This is not clinically significant. 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. **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.

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Eugene AH

REFERRING VET

Dr. Morrison

DATE

9/16/21

Invoice
91855

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		1.43	1.4	1.66	43	75	0.6
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		1.16	0.87	70 lbs	4.2	3.88	



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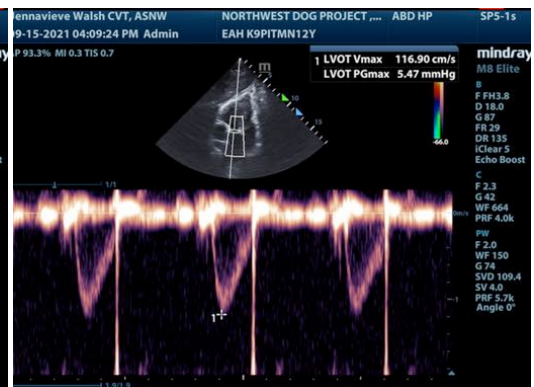
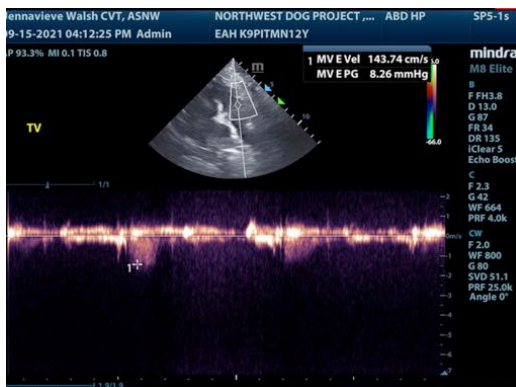
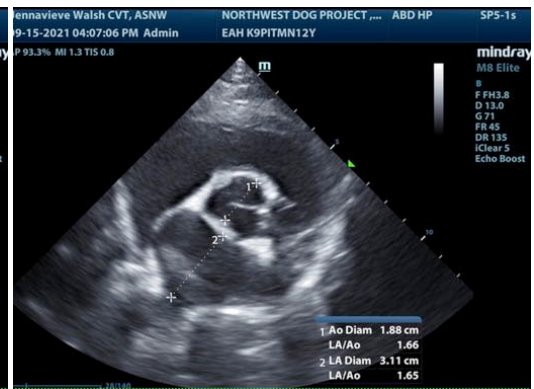
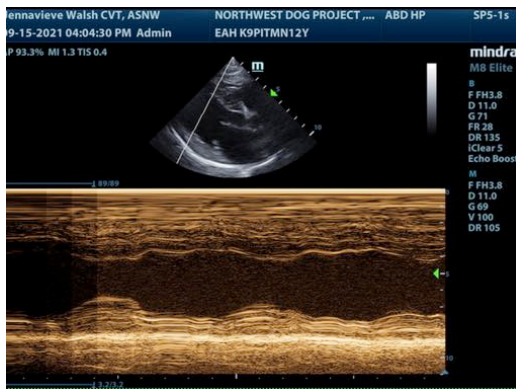
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ULTRASONOGRAPHIC FINDINGS

Stage B1 Valvular disease. Largely normal echocardiogram with trivial mitral and tricuspid insufficiency, not clinically significant.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of clinical disease in this patient. Exercise intolerance is not related to the heart unless paroxysmal arrhythmia is occurring. Holter monitor would be necessary for this. This can be obtained from our office with cardiologist review. Other causes of exercise intolerance such as orthopedic pain and abdominal disease should be considered.





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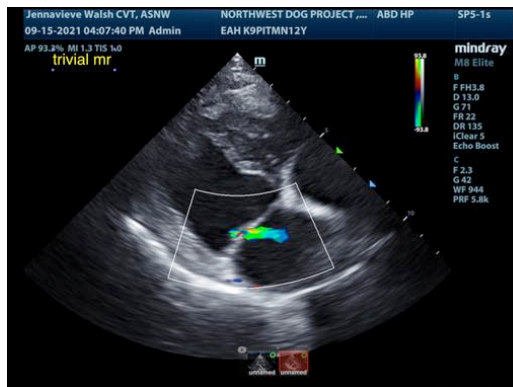
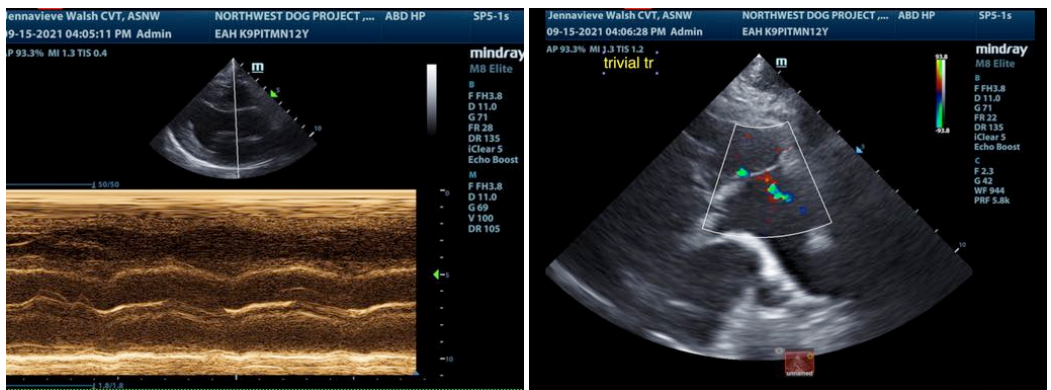
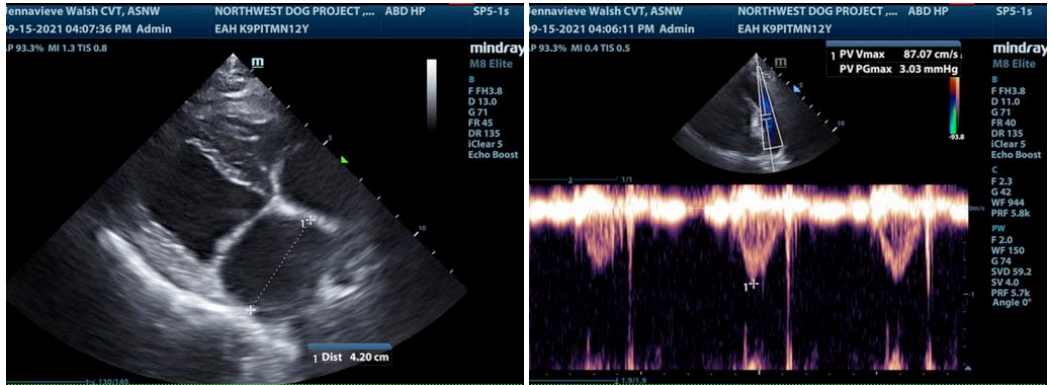
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS

CEO of Sonopath.com



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Eric.Lindquist@SonoPath.com

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