



PATIENT

Fergus Hay

SPECIES

Canine

BREED

Poodle Mix

SEX

Neutered male

AGE

7 years

WEIGHT

19.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kicker

HOSPITAL NAME

Wauwautosa VC

REFERRING VET

Dr. Binor

PRESENTING CLINICAL SIGNS

History: Hx of seizures (on phenobarbital) and a heart murmur II/VI. Lungs auscultated WNL. At last exam on 11/11/22. BNP was mildly elevated 981 (0-900) and a heart workup (baseline) was recommended. Heart workup to determine cause of murmur. (left sided murmur at mitral valve), if medication is needed at this point and when to recheck heart.

Abnormal PE/Chem/CBC/UA Results: 11/11/22- UA=WNL. Pheno level was low 13.9 (15-70)

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 noted. The **left ventricle** presented normal 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.

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			NM	1.04	30		0.13
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)		2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	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		NM	0.5	19.6 lbs	2.7	3.39	

ULTRASONOGRAPHIC FINDINGS

Normal echocardiogram with trivial mitral insufficiency, not clinically significant.

INVOICE

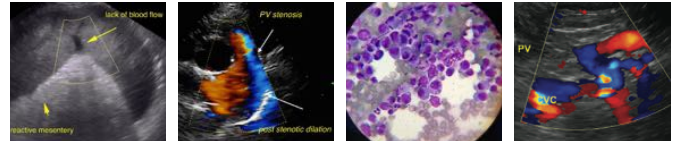
42119

DATE

1/13/23

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of cardiac disease. There is no contraindication to anesthetic procedure.



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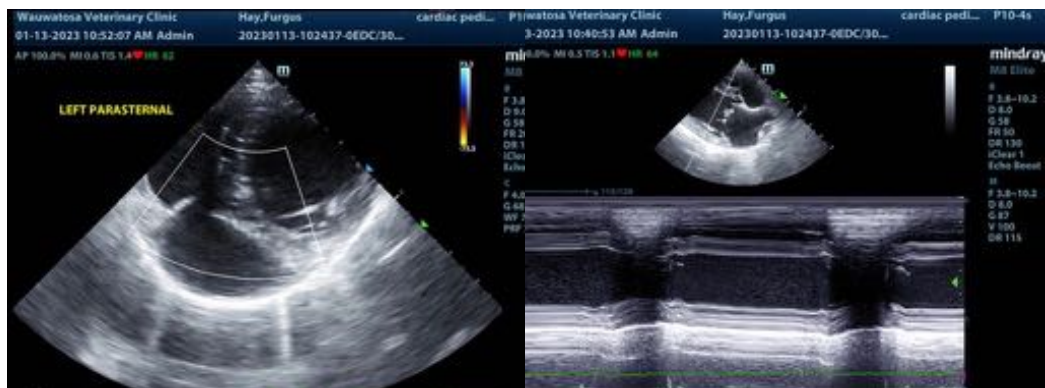
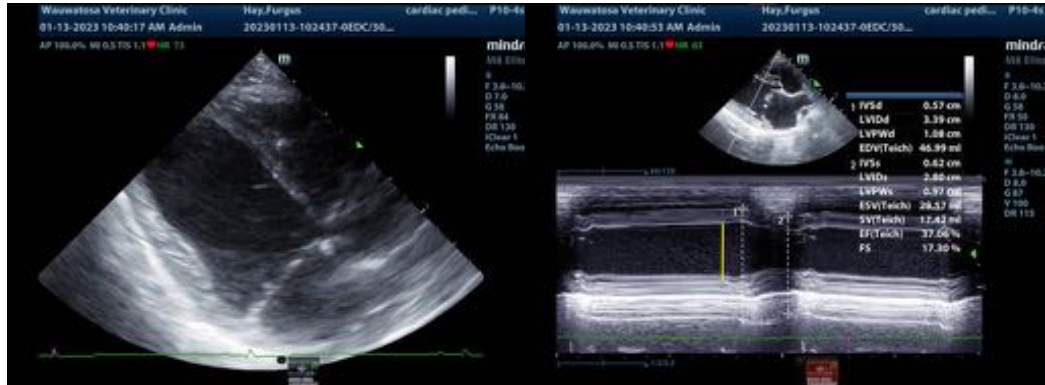
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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