

PATIENT PRESENTING CLINICAL SIGNS

Casper Manders

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

11 Years

WEIGHT

9.88 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Animal Health Associates

REFERRING VET

Dr. Fadden

INVOICE

35391

DATE

2/2/22

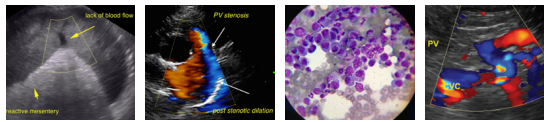
Heart murmur originally noted in 2017 as a grade III/VI parasternal murmur. Recent exam: Patient in good body condition. BCS 3/5. Mucous membranes pink and moist with CRT < 2 sec No crackles or wheezes noted on thoracic auscultation. Grade III/VI parasternal murmur, no arrhythmia noted. Abdomen soft on palpation with no overt organomegaly or discomfort noted. Hair coat full and bright. No fleas noted. History of flea allergy dermatitis Heart rate 180 beats per minute; respiratory rate 30 breaths per minute
Abnormal PE/Chem/CBC/UA Results: Total Health Plus with proBNP add-on ran 1/26/22 CBC: WNL Chem: WNL UA: WNL TT4 normal proBNP elevated at 898 pmol/L

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT		NM					
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)	LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.38	1.4		1.8	0.85	NM	
Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. Mitral insufficiency noted at 6.2 m/sec. The **left ventricle** presented sectorial hypertrophy and remodeling. No evidence of volume overload. Contractility was adequate. **Myocardial** remodeling noted in this patient. **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 and angles 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 and kinetics. 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 or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window. Occasional ectopic beats noted during the echocardiogram.



PATIENT **ULTRASONOGRAPHIC FINDINGS**

Casper Manders

- Sectorial left ventricular hypertrophy and mitral insufficiency
- Hypertrophic cardiomyopathy, mild

SPECIES

Feline

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of volume overload. No specific therapy warranted at this time. Baseline EKG warranted if not already performed to rule out underlying arrhythmias. Recheck echo in 6 months, earlier if any clinical signs initiate.

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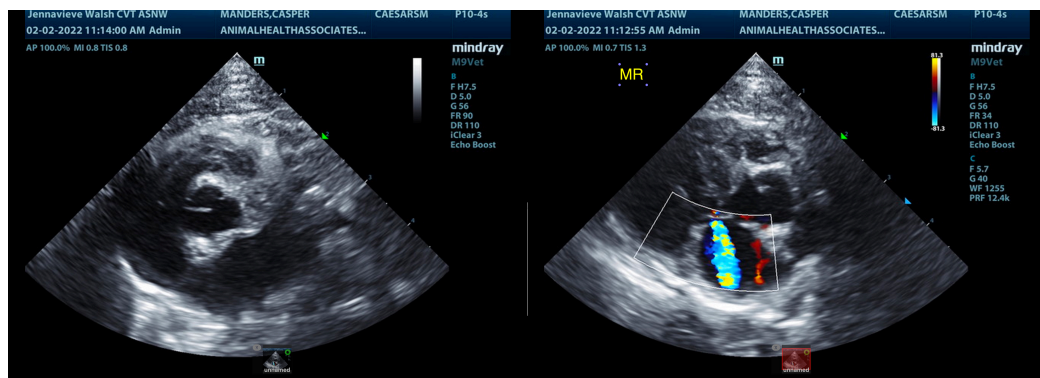
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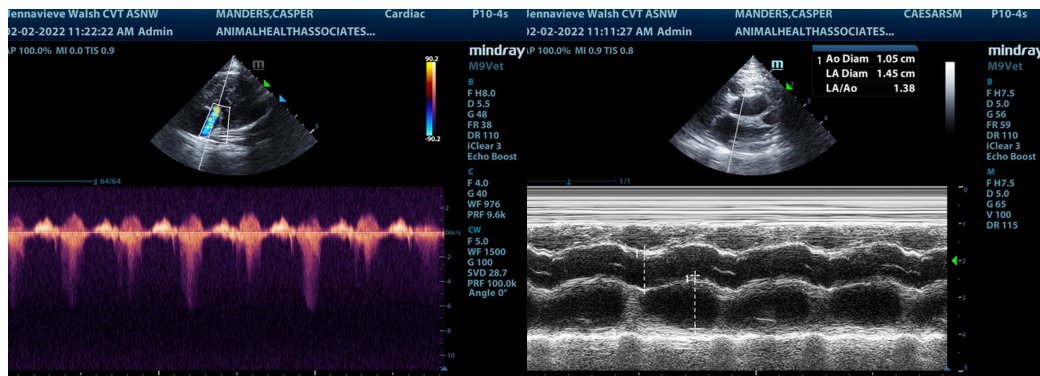
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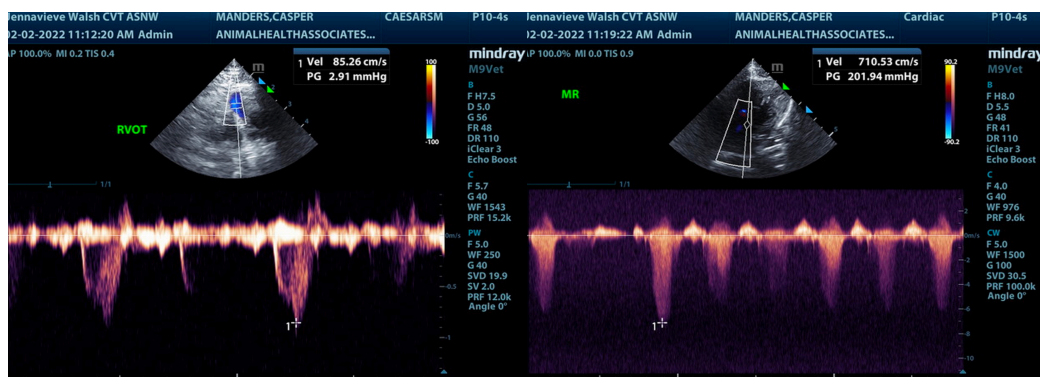


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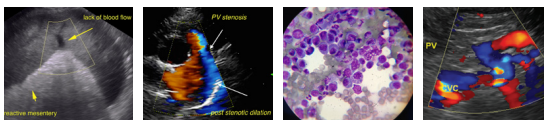
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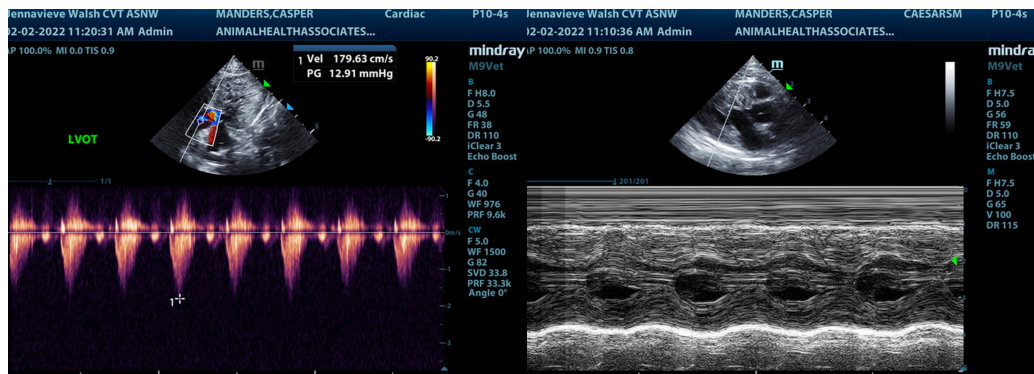
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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