

PATIENT PRESENTING CLINICAL SIGNS

Penelope Reagan

History: Prev heart murmur 1/6 in 2018 but today was 3-4/6
Abnormal PE/Chem/CBC/UA Results: N/A

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Domestic Longhair

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. Mild **mitral** valve insufficiency was noted in this patient at 5 m/sec. 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 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.

SEX

Spayed Female

AGE

5 years

WEIGHT

12.4 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rodriguez

HOSPITAL NAME

Foxfield VS

REFERRING VET

Dr. Rodriguez

FELINE CARDIAC PARAMETERS	BODY WEIGHT	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	12.4 lbs	NM	0.6	1.2	0.6	50	80
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	1.39	1.28	1.24 max		0.8	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							

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DATE

9/14/21

ULTRASONOGRAPHIC FINDINGS

Normal echocardiogram with mitral insufficiency.

Structurally normal heart.



PATIENT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No therapy is recommended at this time. Assessment for causes of volume shifts and vascular turbulence such as systemic disease should be considered given the recent change.

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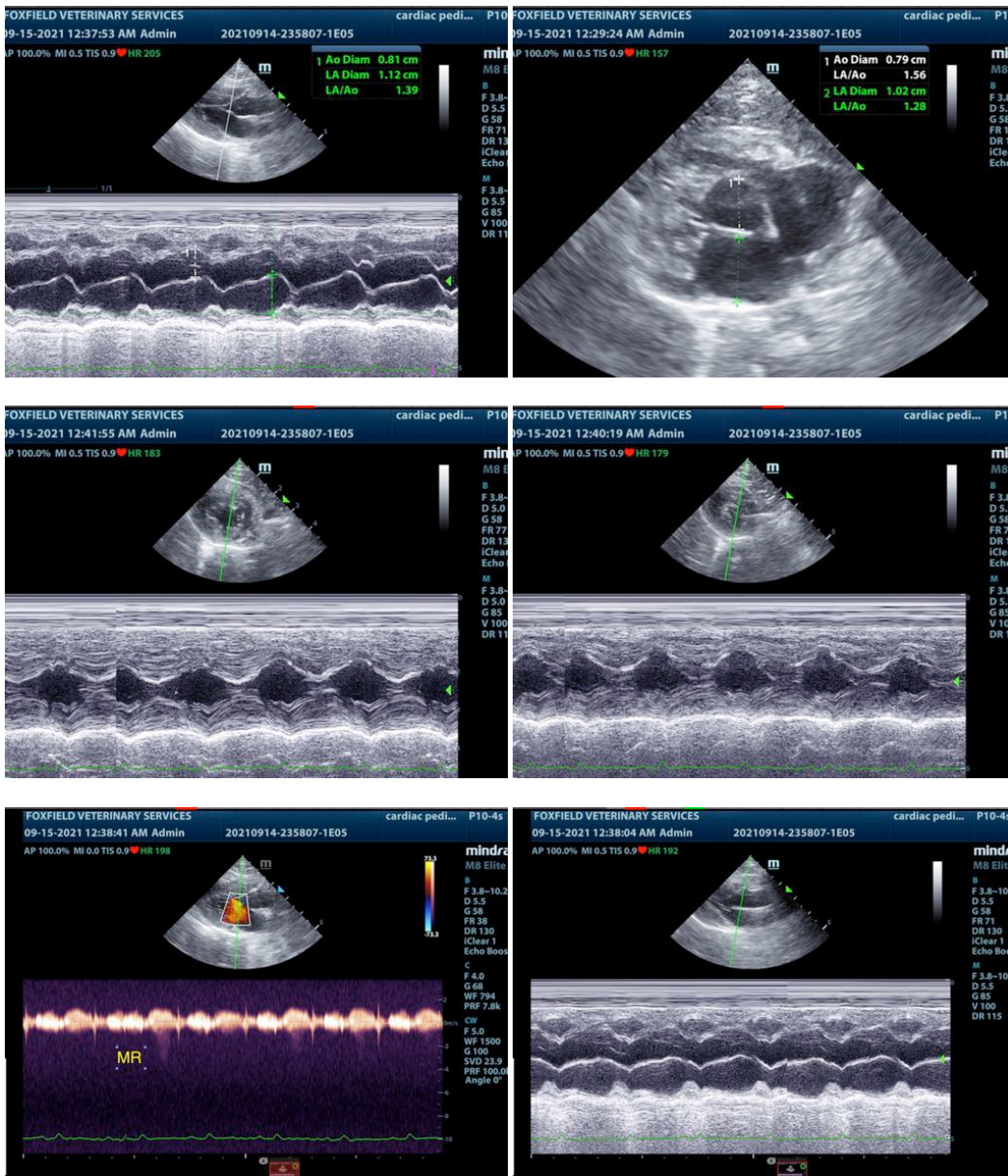
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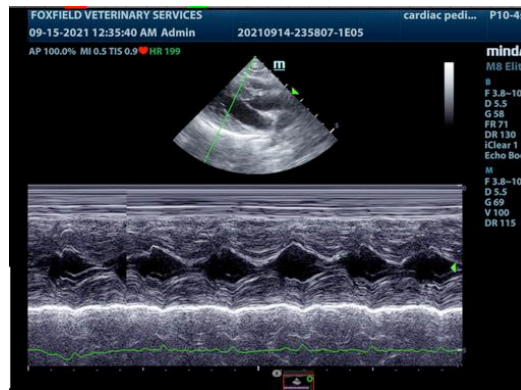
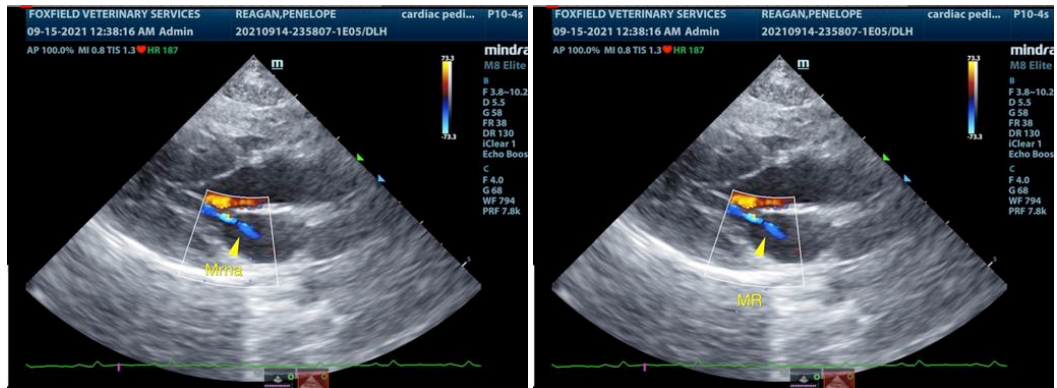
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

IMAGING PERFORMED BY

Dr. Rodriguez

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.

HOSPITAL NAME

Foxfield VS

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

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