



PATIENT

Reepicheep Wilson

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

6 years

WEIGHT

11 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Rockaway AH

PRESENTING CLINICAL SIGNS

Gallop arrhythmia, cardiomegaly and engorged vessels on rads, febrile, non-regenerative anemia, elevated Tbili. Current meds: Convenia given on 1/10/22
Abnormal PE/Chem/CBC/UA Results: HCT 28%, AST 147, TBili 1.1, USG 1.022

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The left atrium was severely dilated with a 2.0 cm mobile thrombus. The thrombus entered into the mitral annulus on atrial systole and then returned to the body of the left atrium during diastole. Mitral insufficiency was noted on color flow and spectral Doppler. Echocardiogram was performed rapidly owing to the precarious nature of the patient. The septal and free wall thicknesses were mildly thickened with minimal contractility of the left ventricular free wall and minor contractility of the ventricular septum. Right atrial enlargement was noted with tricuspid insufficiency. Slight pericardial effusion was noted. Mild tachycardia was present.

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	11 lbs	219	0.66	1.57	0.78		
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	3.3			0.6	0.55	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							

REFERRING VET

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ULTRASONOGRAPHIC FINDINGS

Unclassified cardiomyopathy pattern with poor contractility, possible end stage hypertrophic cardiomyopathy.

Bilateral atrial enlargement.

Myocardial insufficiency and largely mobile left atrial thrombus.



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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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This is a highly precarious presentation in this patient. Cage rest, triple therapy Lasix 12.5 mg b.i.d. reducing to 6.25 mg b.i.d. if possible (target respiratory rate is <20/minute), Pimobendan 0.3 mg/kg b.i.d. (off label), ACE inhibitor 0.5 mg/kg SID. Plavix would also be indicated. Body temperature should be maintained > 97. Oxygen therapy is recommended if necessary. Highly guarded prognosis, but may respond to therapy. Recheck echocardiogram is recommended in 7-10 days if the patient does not succumb to the disease. The patient is at high risk for sudden death.

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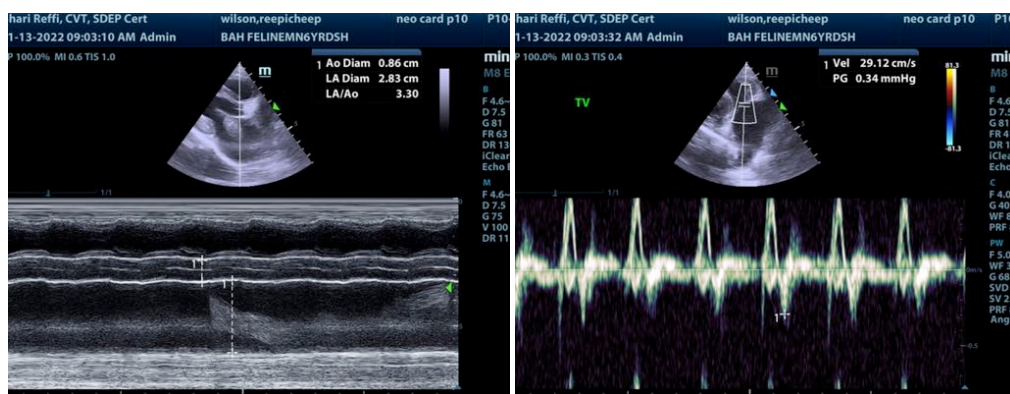
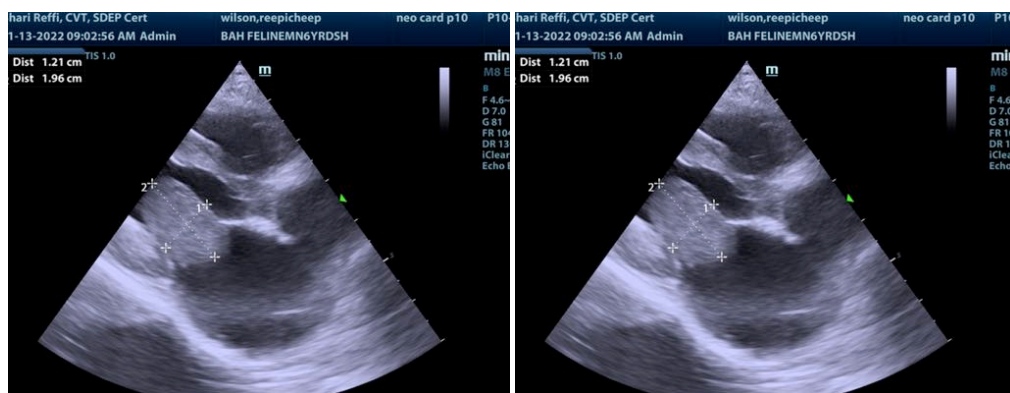
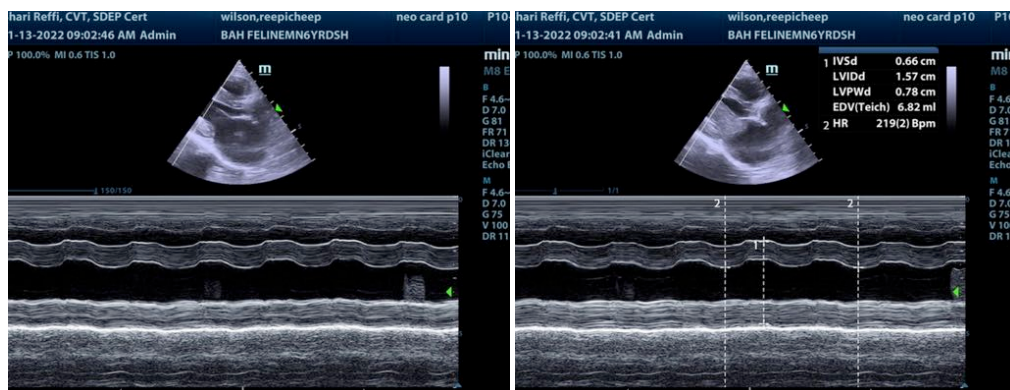
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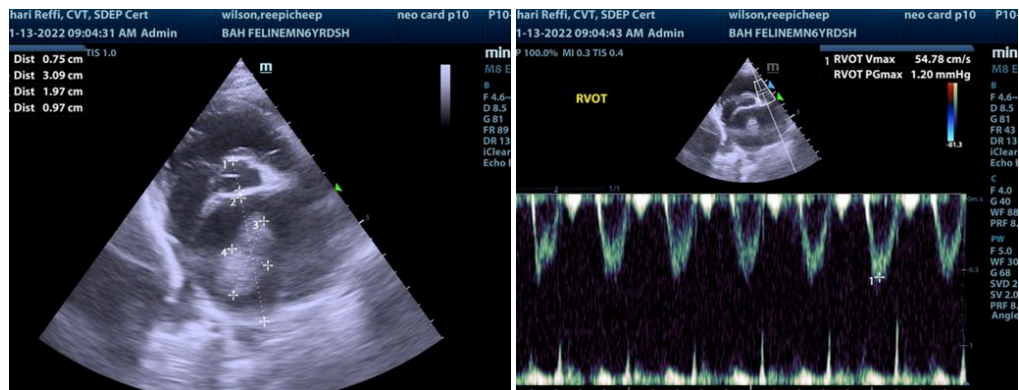
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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