



PATIENT PRESENTING CLINICAL SIGNS

Sumo Eaton History: Dyspneic (rads attached). Current meds: Gabapentin, Depo-Medrol 10mg on 6/27
 Abnormal PE/Chem/CBC/UA Results: Pending, fel pro BNP pending

SPECIES

Feline

BREED

Domestic Longhair

SEX

Neutered male

AGE

14 years

WEIGHT

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Mount Olive VH

REFERRING VET

Dr. Skeels

INVOICE

31373

DATE

6/30/22

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. 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). Comet tail lung pattern was noted and would match the alveolar pattern.

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		1.54	0.36	1.38	0.42	54	88
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	1.46	1.4	1.45	1.0	0.72	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

ULTRASONOGRAPHIC FINDINGS

Normal echocardiogram. Normal size, contour, structure and function.
 Comet tail lung pattern.



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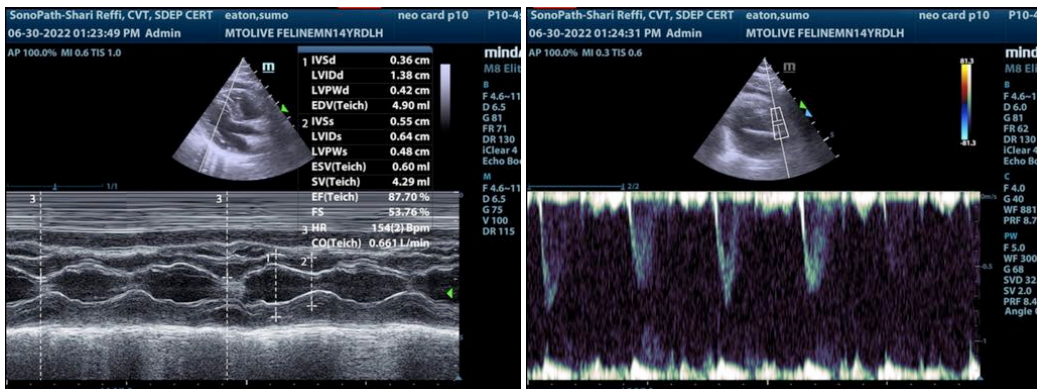
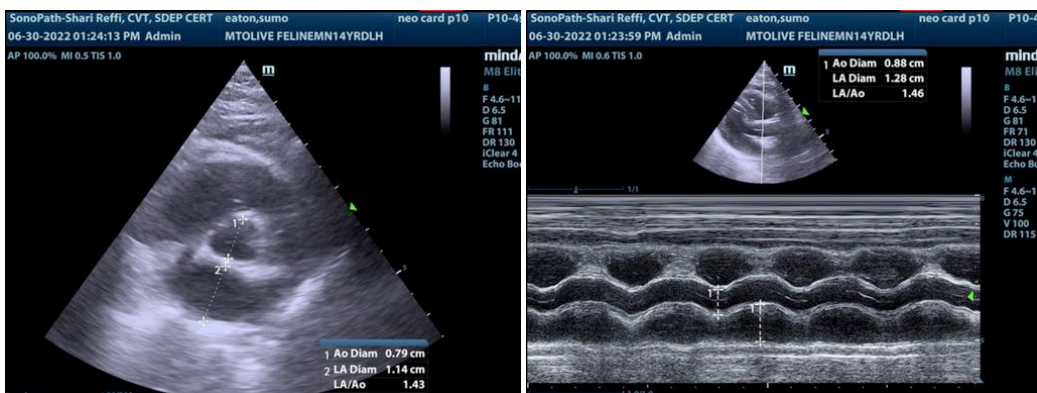
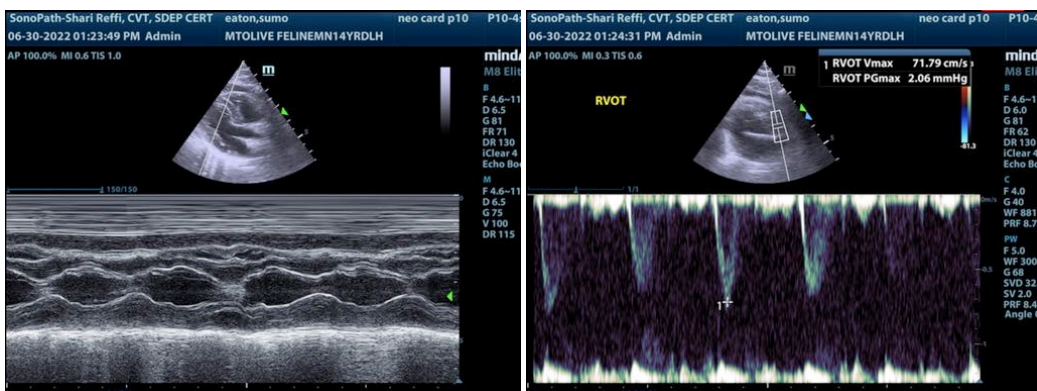
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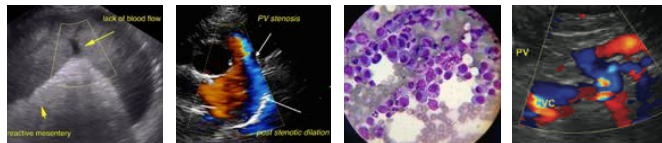
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no evidence of primary cardiac disease. Feline bronchial disease, pneumonitis, metastatic disease and heartworm are all potentials. However, there is no cardiac involvement at this time. An abdominal sonogram would be ideal to ensure that primary disease is not present. Bronchoalveolar lavage would be ideal. Heartworm testing, broad spectrum antibiotics such as Zithromax or Clindamycin, bronchodilator +/- low-dose Prednisolone can be considered empirically, yet no cardiac disease is evident.





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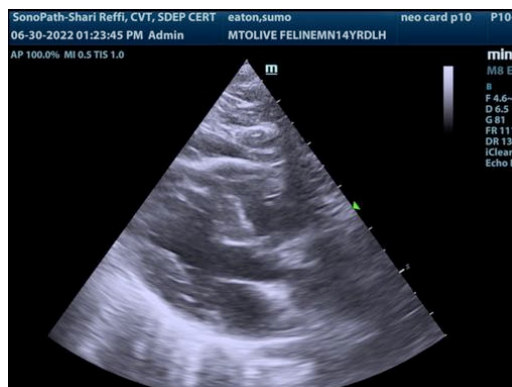
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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