

PATIENT

Hazel Moldenauer

SPECIES

Feline

BREED

Domestic Longhair

SEX

Spayed Female

AGE

4 years

WEIGHT

8 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gromalak

PRESENTING CLINICAL SIGNS

Previously noted 2-3/6 systolic heart murmur. clinically normal. today presented for increased respiratory rate and effort

Abnormal PE/Chem/CBC/UA Results: chest radiographs display enlarged heart and congestive lung pattern.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The cardiac presentation in this patient revealed pulmonary edema in the visible lung fields around the heart. Volume overload was noted in all four chambers. Trace pericardial effusion was also noted. Mitral and tricuspid insufficiency as well as aortic insufficiency is all present. Areas of lung consolidation are also present. Contractility was subnormal.

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		148	0.46	2.65	0.51	21	83
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	1.24	1.35	1.84	1.86	0.88	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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ULTRASONOGRAPHIC FINDINGS

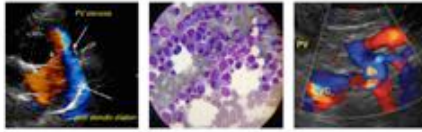
This is most consistent with unclassified cardiomyopathy with left-sided heart failure or DCM type presentation. Underlying myocarditis may be an issue. Classification may change after therapy if the patient is able to recover from this crisis.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Infectious agents that can cause myocarditis should be considered if endemic in your region. Taurine assessment is also recommended. I recommend Lasix at 12.5 mg b.i.d. reducing over the next 24-48 hours based on renal values, hydration status and respiratory rate. Off label Pimobendan at 0.3 mg/kg b.i.d. is recommended. Plavix therapy is also recommended. Ace inhibitor is warranted at 0.5 mg/kg s.i.d. A recheck echocardiogram is recommended in a week. Respiratory antibiotics such as Zithromax or similar would also be warranted to cover for secondary infection and lung disease. Target respiratory rate should be less than 20/minute. Guarded prognosis.

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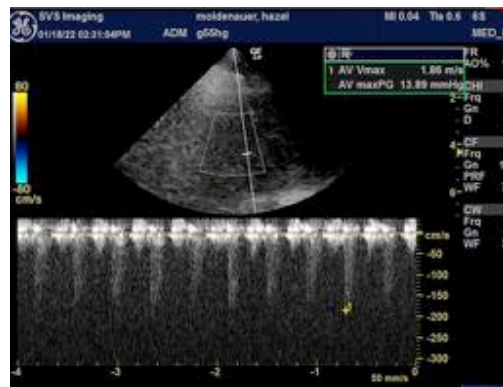
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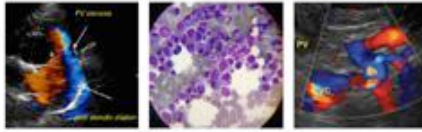
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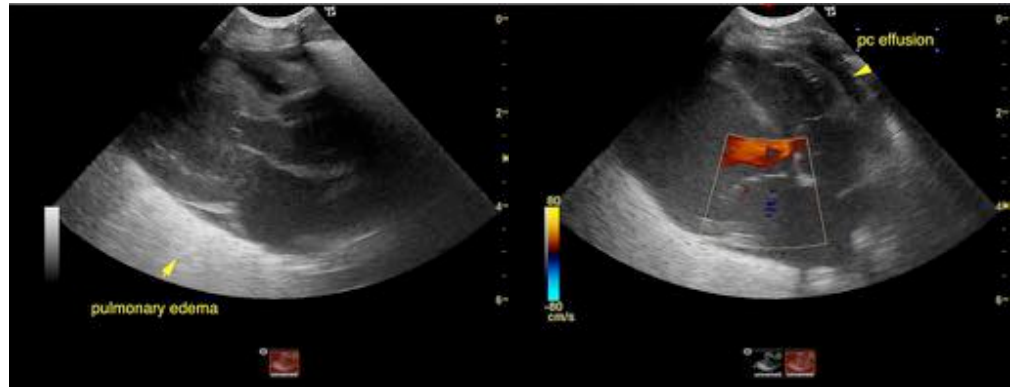
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
Eric.Lindquist@SonoPath.com