



PATIENT

Cat Bag Ratkowski

PRESENTING CLINICAL SIGNS

History: Recheck heart as had dx of possible CM a yr ago

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

10 years

WEIGHT

12 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Hunt

HOSPITAL NAME

Bayshore VH

REFERRING VET

Dr. Hunt

INVOICE

96588

DATE

3/7/22

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. **Mitral** valve insufficiency was noted. The **left ventricle** presented concentric hypertrophy with volume overload of the left atrium. 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** insufficiency was noted. 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). Trace **pericardial** effusion was noted. Comet tail lung pattern noted.

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		200	0.7	1.4	0.88	50	
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	2.0	> 2.0	2.67				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

Consistent with left-sided congestive heart failure owing to hypertrophic cardiomyopathy.

Comet tail lung pattern suggestive for pulmonary edema.

Early left-sided heart failure owing to hypertrophic cardiomyopathy.



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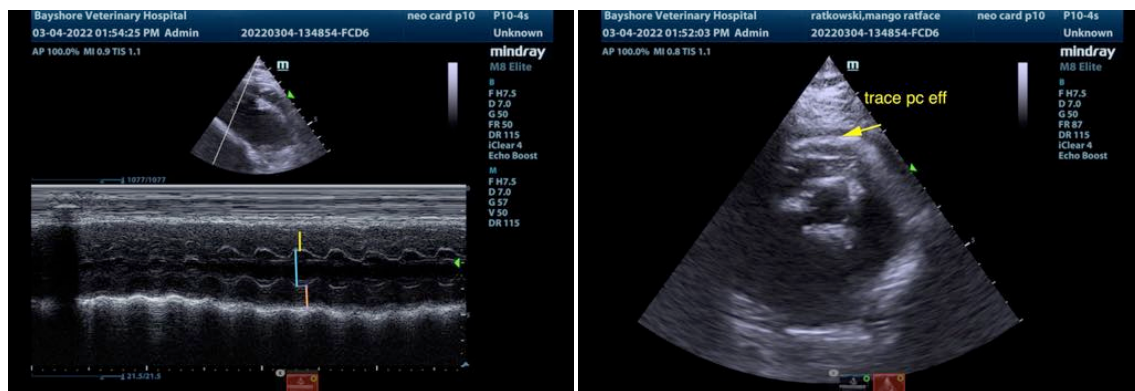
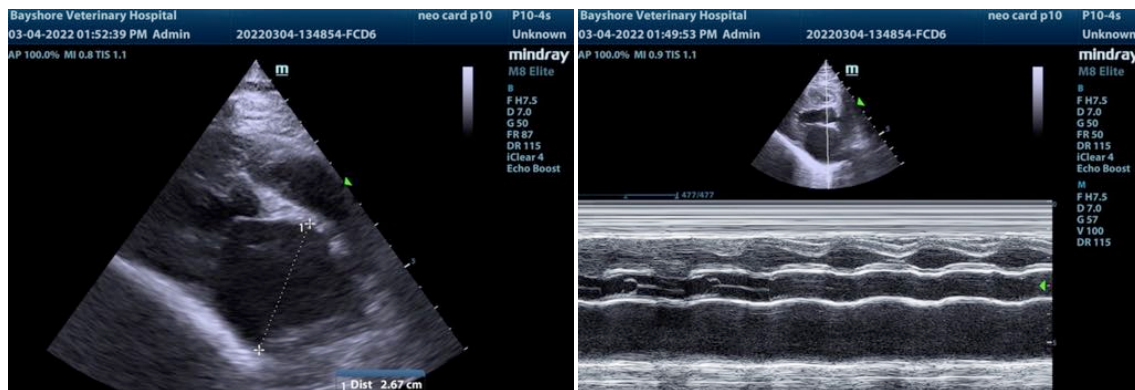
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend Lasix at 6.25 mg/kg b.i.d., ace inhibitor at 0.5 mg/kg s.i.d. and Pimobendan off label at 0.3 mg/kg b.i.d. and Plavix therapy is all warranted. A recheck echocardiogram is recommended in 10-14 days. The prognosis is very guarded.



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.



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

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