



PATIENT

Domino Brossman

SPECIES

Feline

BREED

DMH

SEX

Spayed Female

AGE

17 Years

WEIGHT

N/A

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Animal Mansion

REFERRING VET

Dr. Parker

INVOICE

14563

DATE

4/4/22

PRESENTING CLINICAL SIGNS

History: Rapid, shallow breathing, lethargic, weak femoral pulse. Enlarged heart on rads. Current meds: Furosemide 12.5mg bid, Enalapril 1mg sid, Heparin 0.2ml on Saturday pm.

Abnormal PE/Chem/CBC/UA Results: wnl

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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		NM	0.5	1.56	0.64	30	
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	2.5	3.06		.60	.50	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							

Cardiac Presentation

The cardiac presentation in this patient presented severe volume overload and smoke of the left atrium. The right atrial enlargement was also noted. Contractility was subnormal. Septal and free wall thicknesses were largely normal. This is most consistent with unclassified cardiomyopathy, possible underlying myocarditis. The patient is at high risk for sudden death and thromboembolic events. Myocardial insufficiency was also present. Severe mitral insufficiency was noted at 5.0 m/s. Aortic velocity was subnormal. Tricuspid insufficiency was noted with right atrial enlargement. Minor pleural effusion and slight pericardial effusion noted.

ULTRASONOGRAPHIC FINDINGS

- Severe volume overload and smoke of the left atrium
- Myocardial insufficiency
- Severe mitral and tricuspid insufficiency
- Subnormal aortic insufficiency
- Minor pleural effusion and slight pericardial effusion

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend quadratherapy in this patient with off-label Pimobendan at 0.3 mg/kg BID, Lasix at 12.5 mg BID, diminishing to minimal effective dose (ideally, 6.25 mg over the next 3-5 days depending



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upon azotemia and hydration status). Ace-inhibitor indicated at 0.5 mg/kg SID and Plavix therapy. Recheck echo in 7-10 days if the patient is able to survive this initial insult. Oxygen therapy is necessary.

SPECIES

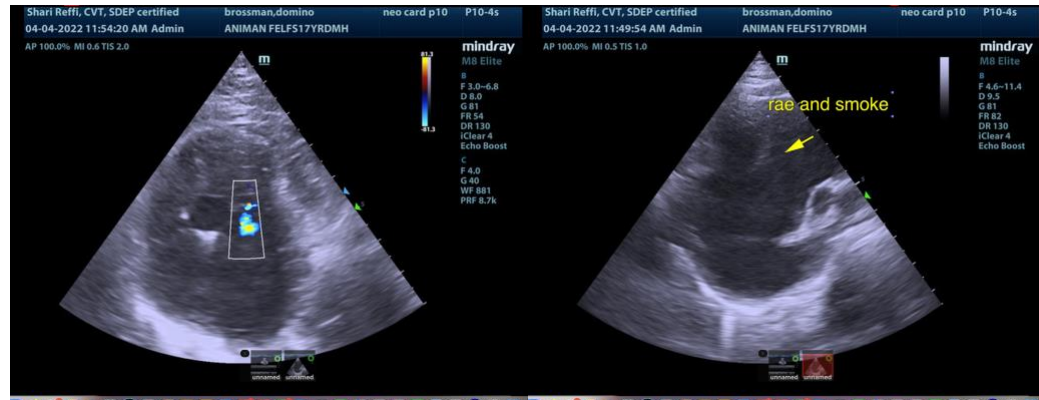
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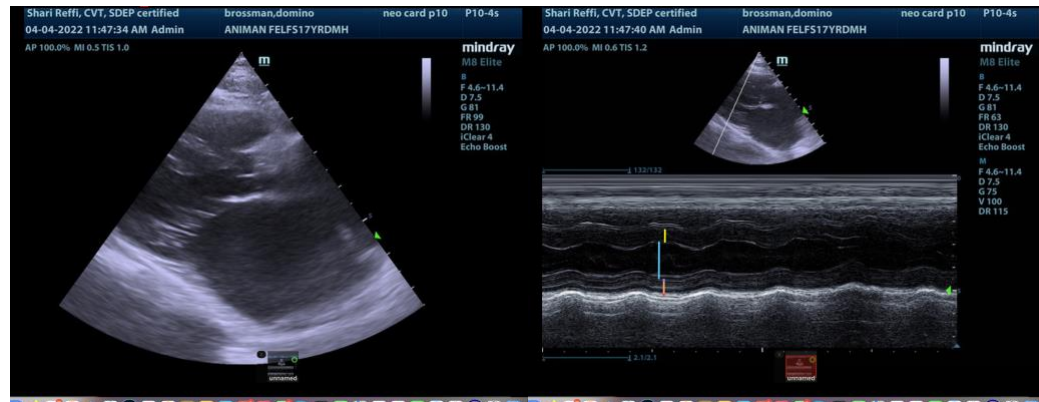


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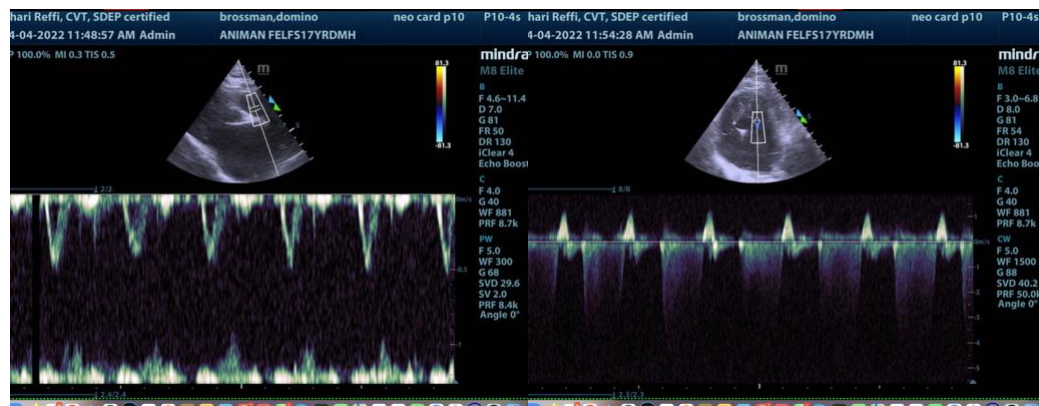
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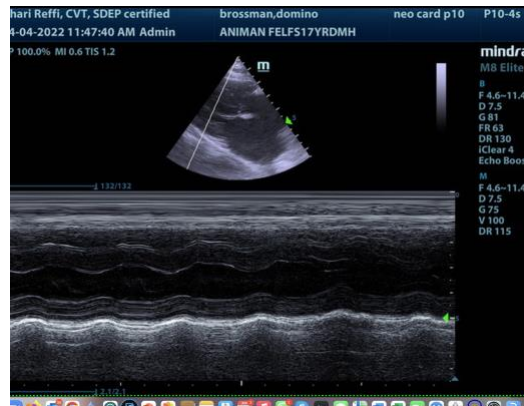
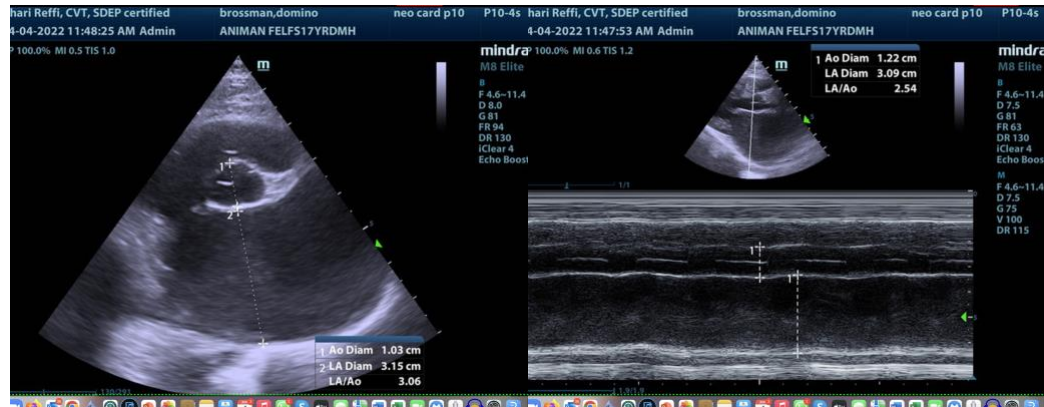
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
info@SonoPath.com