



**PATIENT**

Marley Kapunolvskaya

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Intact male

**AGE**

15 years

**WEIGHT**

11 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**HOSPITAL NAME**

Animal Care Center of  
Flanders

**REFERRING VET**

Dr. Villari

**INVOICE**

94566

**DATE**

12/14/21

**PRESENTING CLINICAL SIGNS**

History: Bi-cavity effusion. Current meds: Convenia  
Abnormal PE/Chem/CBC/UA Results: FIV +, Glucose 571, Creat 1.9 ua pending

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

The echocardiogram in this patient presented severe volume overload and tachyarrhythmia with severe right atrial and right ventricular dilation as well as left atrial and left ventricular dilation. Severe hypocontractility was noted evidenced by fractional shortening of 16%. There was severe mitral and tricuspid insufficiency noted. Slight pericardial effusion was noted with pleural effusion. Septal and free wall thickness were subnormal. The outflow velocities were subnormal. Smoke was noted in both the right and left atria. This is consistent with unclassified cardiomyopathy and end stage disease. DCM is possible, yet EPSS would not reflect DCM formation. EPSS 0.3.

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	225	0.48	2.3	0.6	16	36
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	2.31	2.42	2.6 max	0.6	0.5	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**

End stage right and left sided heart failure with hypocontractility. Consistent with end stage and unclassified cardiomyopathy or dilated cardiomyopathy.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Cage rest, oxygen therapy and quadrotherapy with Lasix at 12.5 mg 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. as well as Plavix therapy. However, the prognosis is extremely poor and the patient is at high risk for sudden death.



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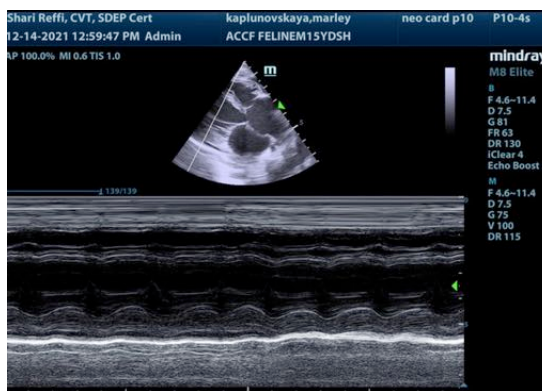
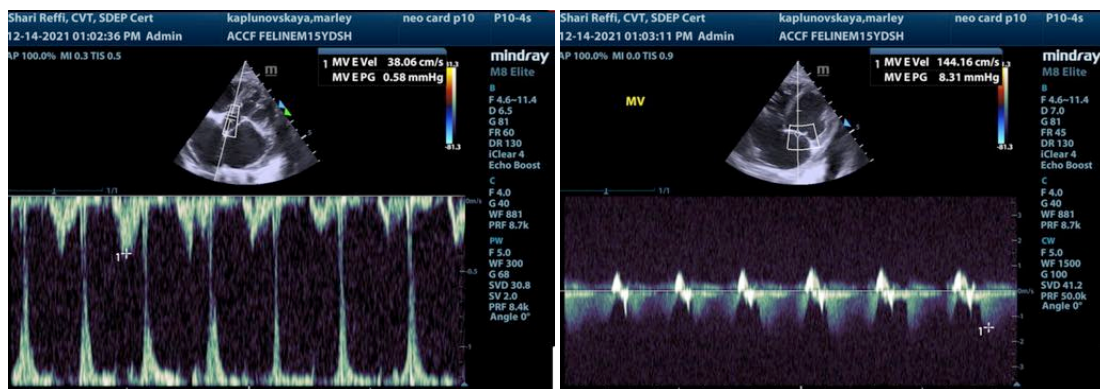
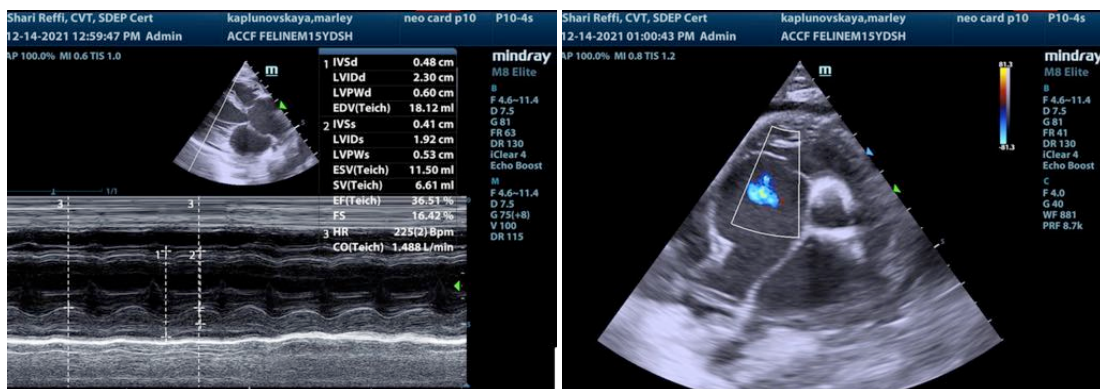
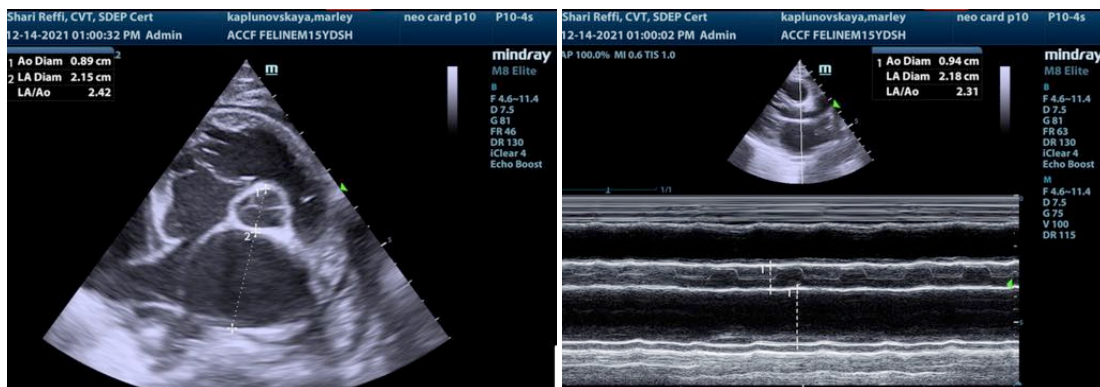
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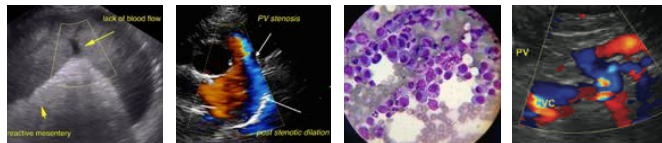
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the



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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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Info@SonoPath.com

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