



PATIENT

Rain Mahoney

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

7 Years

WEIGHT

14.3 pounds

INTERPRETED BY

Sara Brethel, DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Arielle Roldan CVT

HOSPITAL NAME

Milford Animal
Hospital

REFERRING VET

Dr. Sean Grasso DVM

INVOICE

14174

DATE

03/09/26

PRESENTING CLINICAL SIGNS

- 3/6/26 : Pt presents to MAH for not eating for about 3 days and being lethargic. Pt is d/u/d normally though not much. No s/c/v/d. O changed flavors of wet food when pt does slow down in eating as she is a finicky eater.
- Radiographs performed and bloodwork run. Patient is also very aggressive - radiographs attached.

Abnormal PE/Chem/CBC/UA Results: fPL2 1.8 1 - 50 ng/mL Normal fTnl 0.19 0.01 - 20 ng/mL Gray zone proBNP < 50.00 pmol/L Normal SDMA 16.0 10 - 100 ug/dL Gray zone fSAA3.0 116.5 5 - 200 ug/mL Abnormal (inflammation)

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	6.5	NM	0.54	1.1	0.4	36.36	--
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
PATIENT	NM	1.0	--		NM	~1.0	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 mitral valve leaflets are normal and there is no mitral regurgitation. The left atrial size is normal. There is no evidence of systolic anterior motion of the mitral valve and no evidence of a left ventricular outflow tract obstruction. Left ventricular systolic and diastolic function is within normal limits. There is no evidence of left ventricular concentric hypertrophy. There is normal right atrial size without evidence of tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on the images provided. The right ventricle appears normal in structure and function subjectively. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Structurally normal heart.



PATIENT

Rain Mahoney

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

7 Years

WEIGHT

14.3 pounds

INTERPRETED BY

Sara Brethel, DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Arielle Roldan CVT

HOSPITAL NAME

Milford Animal
Hospital

REFERRING VET

Dr. Sean Grasso DVM

INVOICE

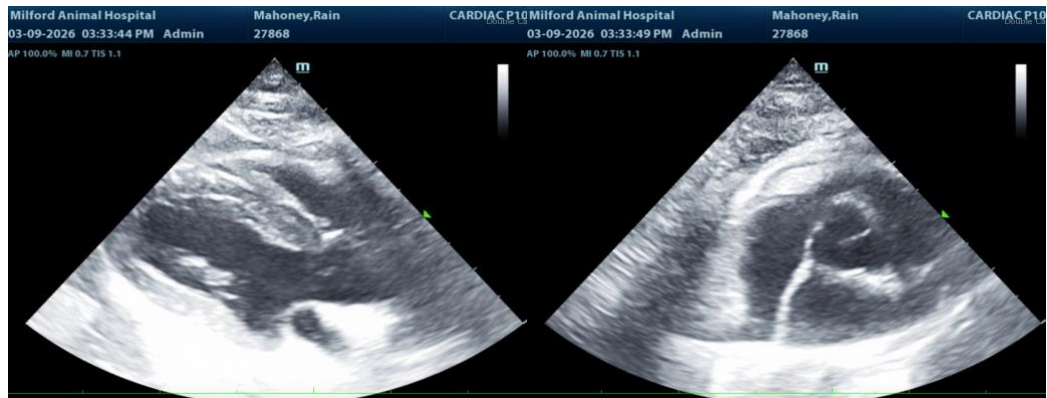
14174

DATE

03/09/26

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart is structurally normal, and the cause of the patient's clinical signs does not appear to be cardiac in nature. In one of the images of the abdomen when evaluating the heart, there is concern for potential ascites. Again, this is not cardiac in nature. I recommend further evaluation if there is ascites and also further diagnostics looking into the patient's clinical condition. A recheck echocardiogram is not needed unless the patient develops a murmur, arrhythmia, or an elevated pro BNP.



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.

Sara Brethel, DVM, DACVIM (Cardiology)

info@SonoPath.com