



PATIENT

Pumpkin Hayden

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

13 Years

WEIGHT

9.68

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

14933

DATE

04/07/26

PRESENTING CLINICAL SIGNS

Patient presented for breathing louder than normal on 3/30/26 starting 2 weeks prior; no medical history. Assessment: Rapid labored/abdominal breathing with elevated TNL and mild anemia R/O Hypertrophic Cardiomyopathy vs other – Open. During today's scan he did have elevations in breathing rate & some abdominal effort.

Abnormal PE/Chem/CBC/UA Results: Mild anemia SDMA: 11.6 ug/dL - "Normal" T4: 2.84 ug/dL - "Gray Zone" ProBNP: <50.00 pmol/L - "Normal" TNL: 0.20 ng/mL - "Gray Zone"

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	4.4	NM	0.50	1.26	0.38	45.24	--
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)	LVIDs (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	
PATIENT	NM	1.0	1.24		NM	~1.0	0.69
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 pulmonic 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.

On the subcostal images, there appears to be scant peritoneal effusion.

ULTRASONOGRAPHIC FINDINGS

- Structurally normal heart.
- Scant peritoneal effusion.



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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The cause of the patient's clinical signs does not appear to be primarily cardiac in nature. There does appear to be scant peritoneal effusion present. Given the respiratory signs identified, chest radiographs are recommended. No cardiac medications are recommended. Can also consider an abdominal ultrasound for further investigation of the patient's ascites. A recheck echocardiogram is not needed unless the ProBNP becomes elevated or the patient develops a heart murmur or arrhythmia.



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)

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