



PATIENT

Cleo Hronek

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

1 Year 8 Months

WEIGHT

9.1 Pounds

INTERPRETED BY

Sara Brethel DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Kathleen Byrnes

HOSPITAL NAME

Scotts Creek AH

REFERRING VET

Dr. Rendazzo

INVOICE

35116

DATE

12/29/25

PRESENTING CLINICAL SIGNS

History: P presented for chronic cough that is suspicious for feline asthma and resolves on pred. Cough returned when attempted to taper down to EOD pred. Rads possible R atrial enlargement on VD. Owner is ordering Aerokat chamber for Albuterol. rDVM rec Echo to determine if Cough is related to heart at all.

Abnormal PE/Chem/CBC/UA Results: FELV/FIV neg, HW Antibody Neg.

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	4.14	NM	0.35	1.3	0.34	38.46	--
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	--	1.36	--		0.86	1.35	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

LVIDs: 0.8

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



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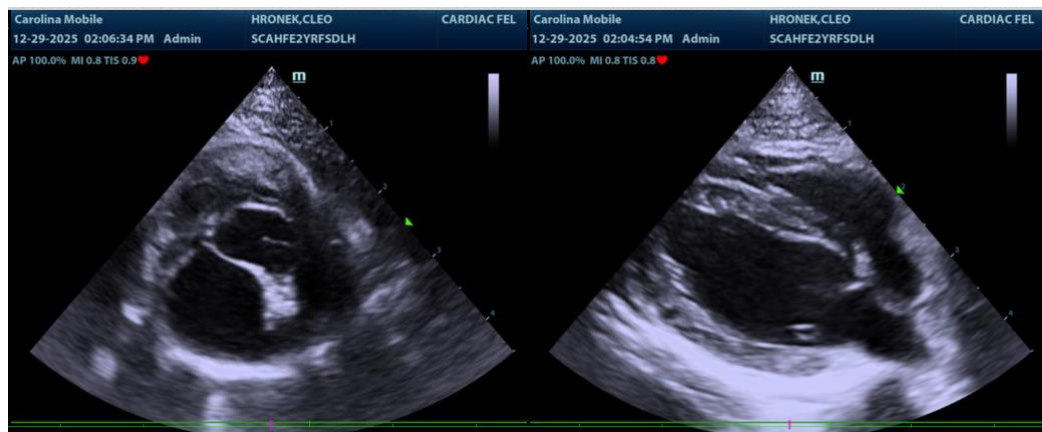
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart is structurally normal and a cause for the patient's coughing is not identified from a cardiac perspective. Given the response to steroids, can also consider fluticasone for long term management, as albuterol is for a rescue purpose only. Other considerations include assessing for lung worms with a Baermann fecal, ensuring the owner has limited airway irritants at home, such as scented candles, aerosols, incense, diffusers, using alternative litter, or the ultra-low dust formula litters. If the cough continues, despite therapy, can consider referral to internal medicine for a further airway evaluation. A recheck echo is not needed, unless the patient develops a murmur or an arrhythmia, or a proBNP becomes elevated in the future.



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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