



## PATIENT

Jax Hart

## SPECIES

Feline

## BREED

DSH

## SEX

Neutered Male

## AGE

13.5 Years

## WEIGHT

3.8 kg

## INTERPRETED BY

Sara Brethel, DVM,  
DACVIM (Cardiology)

## IMAGING PERFORMED BY

Dr. Lacovides

## HOSPITAL NAME

St. Norbert Animal  
Hospital

## REFERRING VET

Dr. Fredette

## INVOICE

14419

## DATE

03/18/26

## PRESENTING CLINICAL SIGNS

- ongoing history of HCM and appears progressive. Last u/s 2021 (attached)
- originally was on theophylline but was stopped, for unknown reason
- Current meds: Theophylline 25mg BID; Lactulose; Fluoxetine 5mg sid; cartrophen inj

Abnormal PE/Chem/CBC/UA Results: CBC/CHEM/t4 all 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	3.8	NM	0.5	1.26	0.42	46.03	NM
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/s)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	
PATIENT	--	1.24	--		0.83	0.42	0.68
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.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart is structurally normal on the images provided. The previous hypertrophic changes are not



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identified. The left atrium remains normal in size. Recommend ensuring the patient is normotensive and euthyroid. The change in the lack of hypertrophy on this current evaluation could represent scarring and fibrosis or previously the patient could have had a transient infection that resolved leading to resolution of the hypertrophic changes as well.

Regardless, no cardiac medications are recommended at this time. With the patient's history, serial monitoring should be performed and a recheck echo in a year.



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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