



PATIENT

Fiver Story

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

8 Years

WEIGHT

12.5 Pounds

INTERPRETED BY

Sara Brethel DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Eric Lindquist

HOSPITAL NAME

Four Paws Holistic Vet

REFERRING VET

Dr. Edoff

INVOICE

35394

DATE

1/13/26

PRESENTING CLINICAL SIGNS

History: Arrhythmia on 12/15/25. No current medications.
Abnormal PE/Chem/CBC/UA Results: Not performed

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	5.68	218	0.56	1.4	0.68	--	--
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	1.31	1.25	--		1.42	~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 mild mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is within normal limits. Left ventricular systolic function appears preserved. Left ventricular diastolic dimensions are within normal limits. A discrete step up in velocities is not identified through the left ventricular outflow tract, however, there is evidence of SAM. There is evidence of a kissing lesion at the level of SAM, and the left ventricular myocardium appears hyperechoic in some regions. Left ventricular walls measure hypertrophied. 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

- Hypertrophic obstructive cardiomyopathy
- Mitral regurgitation
- Normal left atrial size

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



PATIENT

Fiver Story

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

8 Years

WEIGHT

12.5 Pounds

INTERPRETED BY

Sara Brethel DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Eric Lindquist

HOSPITAL NAME

Four Paws Holistic Vet

REFERRING VET

Dr. Edoff

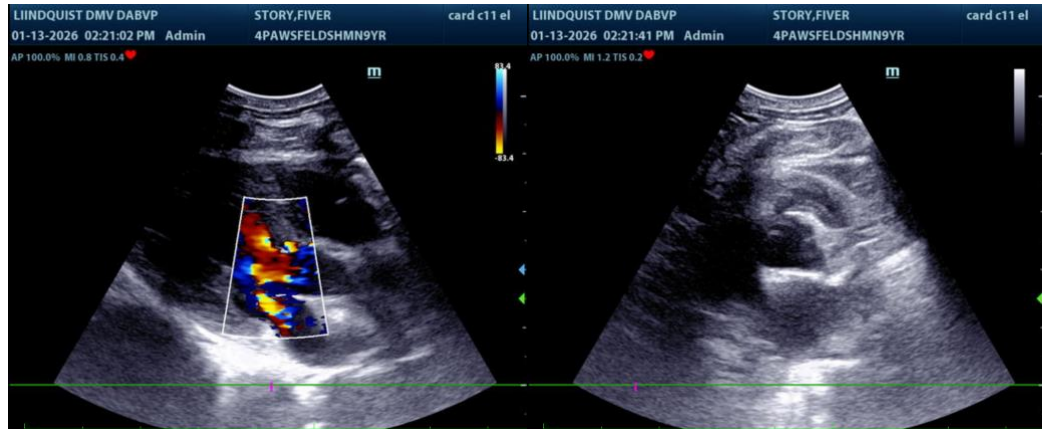
INVOICE

35394

DATE

1/13/26

There is an arrhythmia present, and the patient has hypertrophic obstructive cardiomyopathy with a normal left atrial size. No therapies are recommended for the structural disease; however, an electrocardiogram is recommended to further evaluate the arrhythmia. Also recommend ensuring patient's blood work is normal, along with the patient being euthyroid and normotensive. A recheck echocardiogram is recommended in 6 months, sooner if cardiovascular clinical signs are developing.



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