

PATIENT

Fluffy Johnson

SPECIES

Feline

BREED

DLH

SEX

Neutered Male

AGE

12 Years

WEIGHT

12 lbs

INTERPRETED BY

Sara Brethel DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

The Veterinary
 Hospital

REFERRING VET

Dr. Johnson

INVOICE

15925

DATE

05/07/26

PRESENTING CLINICAL SIGNS

Clinical Exam Findings: Senior Kitty previously diagnosed via echo (7/2025) with early stages of hypertrophic cardiomyopathy QOI is good, systolic murmur grade 2 systolic murmur ABNORMAL Labwork Values 4/6/26 CBC - mild anemia -rbc 7.98,Hcy 28 Chem - elevated BUN 40 (previously 90), creat 2.5 (was 3.1) ALT 244 (was 317) SDMA - 21 (was 20) T4 - 1.4 (was 1.5) UA - Ap Gr 1.108, 3 + blood , seds rbc and rods - follow-up UA after course of antibiotic 4/17 - UTI resolved For ECHO Only: Blood Pressure will get on AM of procedure HR/RR/BP: HR 120, RR 42 Is there a Heart Murmur? If so, please grade. grade 2 Current Medications Revolution for flea control Radiographic Findings none Notes to Specialist (if any) annual cardiac follow-up

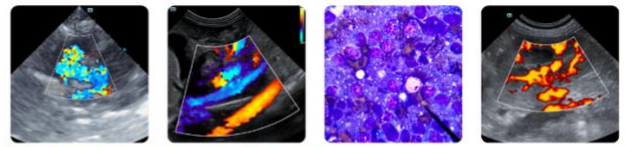
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	5.45	NM	0.6	1.6	0.8	38.12	--
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	1.47	1.27	1.6		1.05	1.52	0.99
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. There is evidence of systolic anterior motion of the mitral valve and there is a discrete step up in velocities through the left ventricular outflow tract 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.

ECG



PATIENT

Sinus rhythm.

Fluffy Johnson

ULTRASONOGRAPHIC FINDINGS

SPECIES

- Hypertrophic obstructive cardiomyopathy.
- Normal left atrial size.

Feline

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

The patient continues to have hypertrophic obstructive cardiomyopathy. Based upon the images provided, the obstruction is not severe. No cardiac therapies are indicated at this time. However, serial monitoring should be performed. A recheck echo is recommended in 6-12 months, sooner if the patient is decompensating, the murmur is worsening intensity, or the patient is developing other cardiovascular clinical signs.

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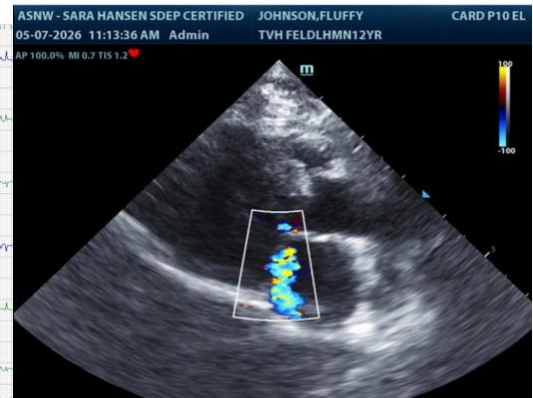
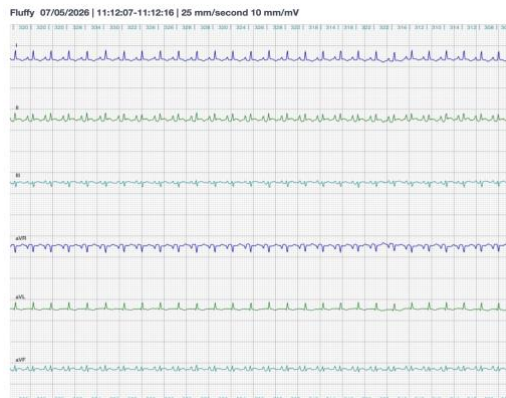
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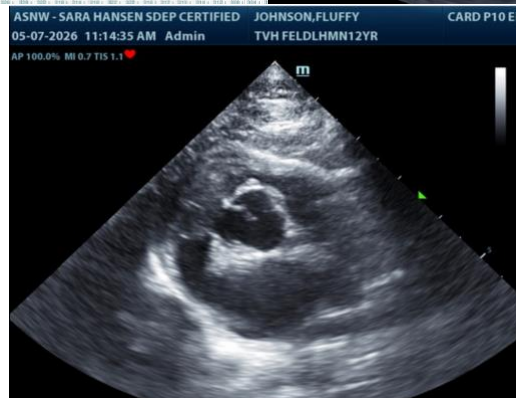
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

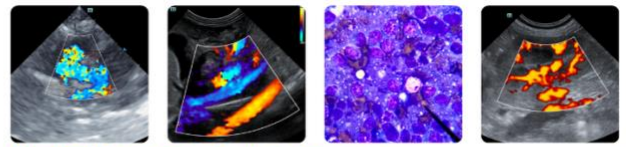
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Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Sara Brethel DVM, DACVIM (Cardiology)

info@SonoPath.com



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