

PATIENT

Kokomo Zahara

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

13 Years

WEIGHT

5.28 kg

INTERPRETED BY

Sara Brethel, DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Novel VC

REFERRING VET

Dr. Gibbs

INVOICE

36292

DATE

3/19/26

PRESENTING CLINICAL SIGNS

- Heart murmur occasionally heard, usually 2/6 when heard
- Increased proBNP
- IBD treated with Atopica
- Diabetes mellitus treated with Senvelgo
- Current Medications: Senvelgo SID; Atopica SID; gabapentin
- Abnormal PE/Chem/CBC/UA Results: Mild elevation ALT & ALP -ProBNP 482 (normal <100) - Thyroid 90.4 - not currently treated

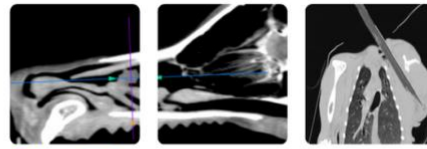
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	5.28	150	0.46	1.53	0.55	60.78	--
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	1.24	1.48	1.88		1.18	0.97	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 0.6

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. There is equivocal evidence of left ventricular concentric hypertrophy and portions of the myocardium appear hypoechoic. 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



PATIENT

Kokomo Zahara

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

13 Years

WEIGHT

5.28 kg

INTERPRETED BY

Sara Brethel, DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Novel VC

REFERRING VET

Dr. Gibbs

INVOICE

36292

DATE

3/19/26

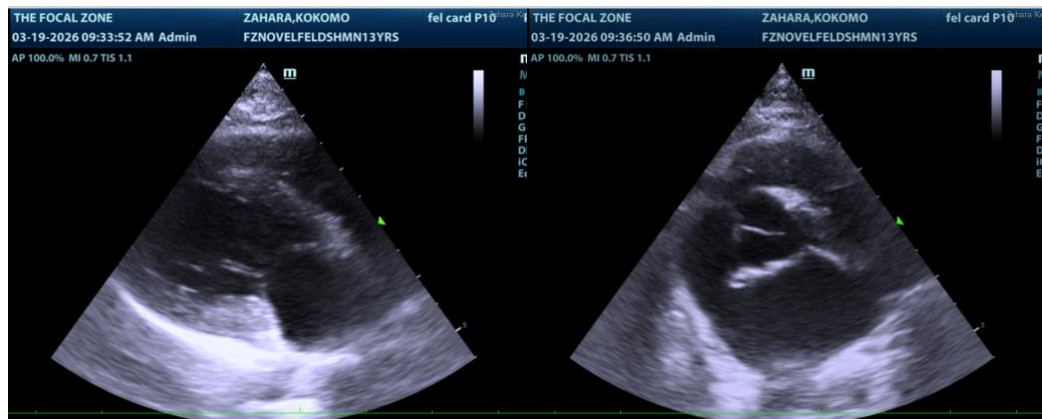
insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Equivocal concentric left ventricular hypertrophy
- Hyperechoic myocardium

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The measurements are within normal limits, but the left ventricular measurements are at the upper limits of normal to equivocally hypertrophied, and the left ventricular myocardium appears hypoechoic. If the thyroid hormone is increased, a thyrotoxic cardiomyopathy is possible and recommend controlling the thyroid hormone and reassessing the echo in another 6 months to monitor for any changes. Also recommend ensuring the patient is normotensive to ensure a hypertensive phenotype is also not present.



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