



PATIENT

Erie Zuck

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

14 Years

WEIGHT

11 Pounds

INTERPRETED BY

Sara Brethel DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

The Veterinary Hospital

REFERRING VET

Dr. Johnson

INVOICE

35113

DATE

12/29/25

PRESENTING CLINICAL SIGNS

History: Clinical Exam Findings: chronic renal disease, emerging hepatic disease, initially there was some vomiting and inappetence but that has resolved ABNORMAL Labwork Values CBC - WNL, previous mild anemia resolved Chem - elevated Phos 6.4, GGT 13 (was 13) , ALT 378 (was 277) , BUN 35.6 (was39) Creat is WNL at 1.6 Current Medications Cerenia 8 mg PRN, Denamarin, cyclosporine 25 mg q 72 hours to manage cutaneous granulomas Radiographic Findings none.

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	5.0	NM	0.5	1.46	0.4	75.34	--
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	1.01	1.02	--		0.85	0.88	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: 0.36

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

- The heart is structurally normal

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



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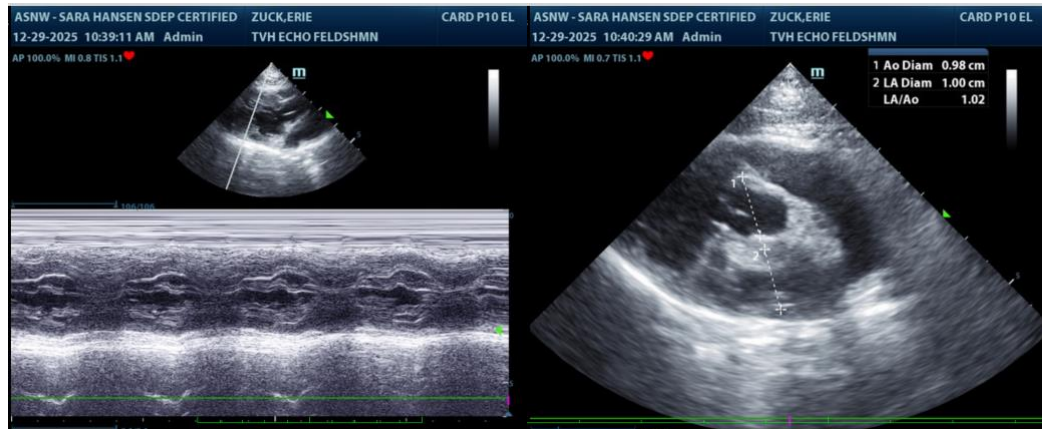
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Cause for the patient's clinical signs is not identified. A recheck echocardiogram can be considered in 10-12 months. Can consider performing a proBNP, however, this may be spuriously increased due to the patient's underlying azotemia. A sooner recheck echo is recommended if the patient develops a murmur or arrhythmia.



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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