

**PATIENT**

Flash Shanahan

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

9 Years

**WEIGHT**

9.8 Pounds

**INTERPRETED BY**

Sara Brethel DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Edgewood AC

**REFERRING VET**

Dr. Callahan

**INVOICE**

35154

**DATE**

12/30/25

**PRESENTING CLINICAL SIGNS**

History: Clinical Exam Findings: DENTAL CALCULI HYPROTHROID-TREATED DIABETES ABNORMAL Labwork Values CBC-WNL CHEM-BG 341, FRUCTOSAMINE 560, T4 2.6 UA- 3+ glu ecg- rt axis shift For ECHO Only: Blood Pressure 0.0 HR/RR/BP: 180/30/0 Is there a Heart Murmur? If so, please grade. no Current Medications pruna dm diet, levothyroxine (0.05mg/ 0.5cc-0.6cc po q 24hr) Notes to Specialist (if any) pre dental work up.

Abnormal PE/Chem/CBC/UA Results: BP 160

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
<b>NORMAL PARAMETER</b>	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
<b>PATIENT</b>	4.45	NM	0.5	1.53	0.52	--	--
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/)
<b>NORMAL PARAMETER</b>	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
<b>PATIENT</b>	1.01	1.29	--		0.86	1.13	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 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 is prominent. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ULTRASONOGRAPHIC FINDINGS**

- Prominent aorta



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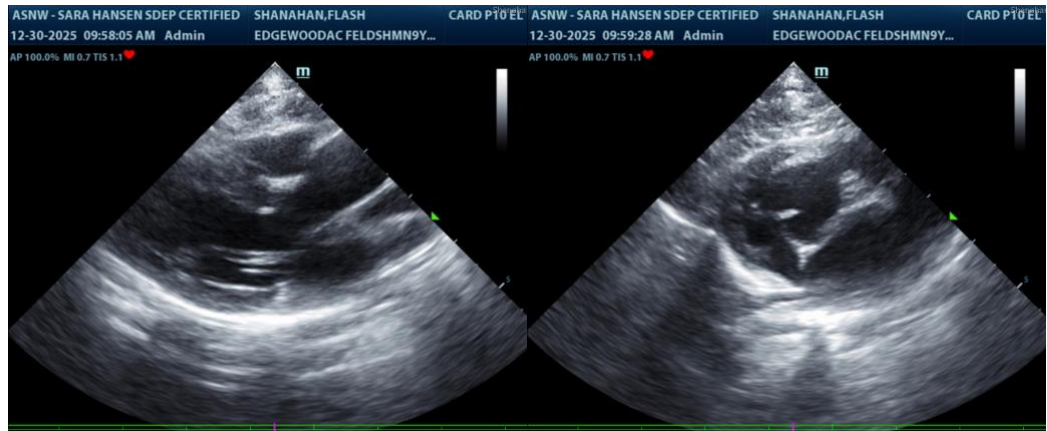
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The left ventricular walls measure within normal limits. The aorta is prominent. With the reported blood pressure being 160, recommend ensuring the patient is not hypertensive. Recheck blood pressure is recommended in 2-4 weeks. The blood pressure remains persistently high/normal to increased. Recommend following ACVIM guidelines for systemic hypertension. A recheck echocardiogram can be considered in 10-12 months, sooner if there are concerns.



**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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