



**PATIENT**

Henry Franke

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

12 Years

**WEIGHT**

12 pounds

**INTERPRETED BY**

Camden Rouben,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Sonya Myers DVM

**HOSPITAL NAME**

Banfield Oviedo

**REFERRING VET**

Dr. Narayansingh

**INVOICE**

12289

**DATE**

11/17/25

**PRESENTING CLINICAL SIGNS**

Heart murmur. Echo requested before starting steroids to assess heart health. Fractious/non-compliant for restraint - given Butorphanol 10mg/ml 0.2ml IV + Propofol 10mg/ml 1.9 ml IV to effect for echo

**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	153	3.84 mm	--	4.38 mm	63.6	93.7
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	--	1.16	13.8 mm	0.56	0.51	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							

TR VMAX: 1.25 m/s

**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 significant left ventricular concentric hypertrophy. There is normal right atrial size with very mild tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of significant pulmonary hypertension based 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. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses based off the images provided.

**ULTRASONOGRAPHIC FINDINGS**

- Based off the images provided, this patient does have tricuspid regurgitation but otherwise, has a clinically healthy cardiac structure and function.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Specifically, no cardiac medications are indicated at this time. If a heart murmur is noted, then a recheck echocardiogram should be performed if this patient shows evidence of cardiovascular clinical sign, this patient should also have a recheck echocardiogram. Elective anesthetic procedures and the



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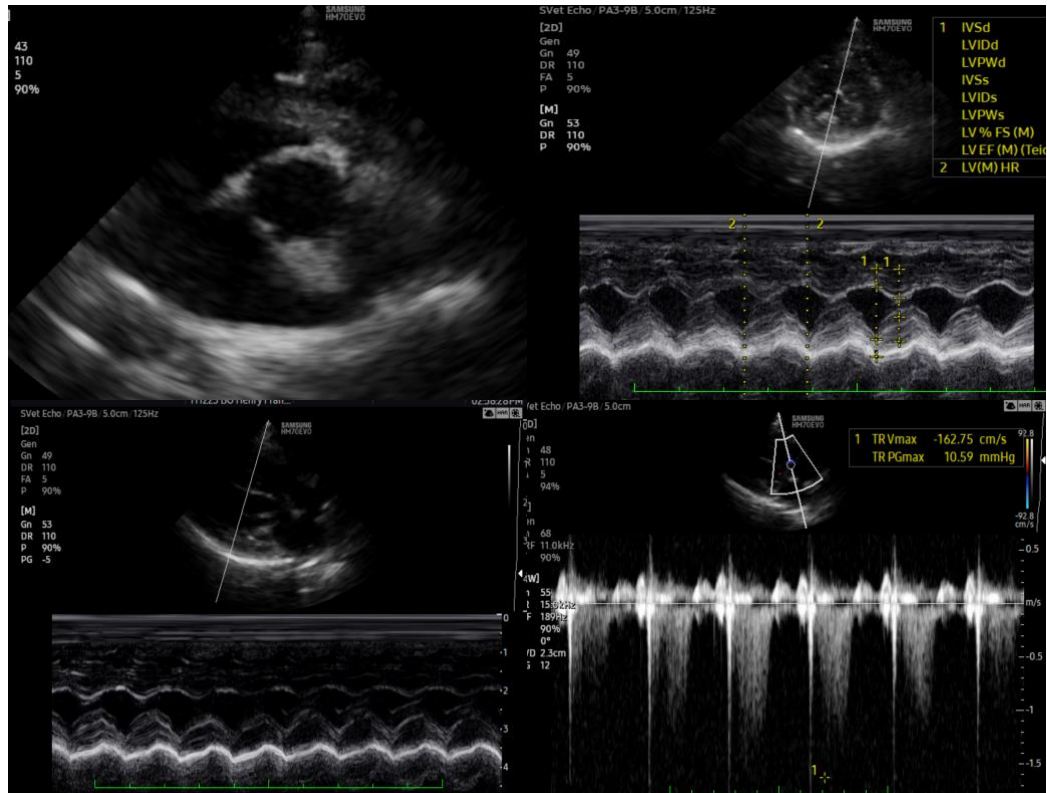
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use of corticosteroids should be well tolerated in this particular patient. If not already performed, this patient's blood pressure should be assessed and make sure that it is euthyroid. No activity restriction is warranted in this patient.



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.

Camden Rouben, DVM, DACVIM (Cardiology)

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