



**PATIENT**

Katana Grove

**SPECIES**

Feline

**BREED**

Bombay

**SEX**

Spayed Female

**AGE**

11 Years

**WEIGHT**

11.86 Pounds

**INTERPRETED BY**

Sara Brethel, DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Banfield Salem

**REFERRING VET**

Dr. Marcberg

**INVOICE**

36777

**DATE**

2/9/26

**PRESENTING CLINICAL SIGNS**

- ABNORMAL Labwork Values Diagnostics: CBC- MONO 0.02 L (0.04-0.57), IOF- GGT 5 H (0-4), Validation- GGT 0 (0-4)
- Cardio proBNP- abnormal
- For ECHO Only: Blood Pressure:103/69/80 (from 2/2/26), HR/RR/BP: TPR: 101.1 F (aural), 180 bpm, 30 brpm
- Is there a Heart Murmur? If so, please grade: none
- Current Medications: Gabapentin 100mg capsule, Revolution Plus

**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	5.39	NM	0.39	1.14	0.54	41.22	--
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	1.06	1.48	NM		0.98	1.21	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: 0.67

**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 equivocal concentric hypertrophy of the left ventricular posterior wall. 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



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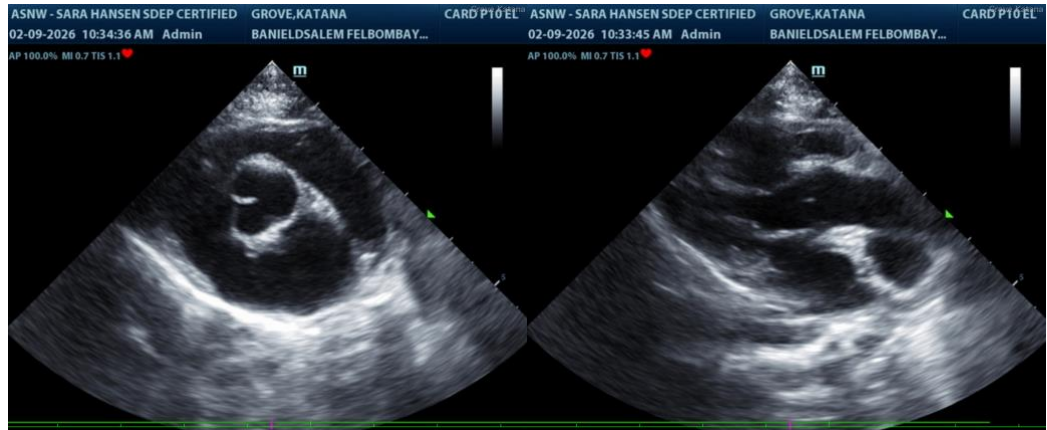
branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ULTRASONOGRAPHIC FINDINGS**

- Equivocal concentric hypertrophy of the posterior wall

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The heart measures normal, however, the posterior wall measures within a gray zone, and is therefore equivocal for concentric hypertrophy. The cause of the elevated proBNP is not entirely known. The reported blood pressure is within normal limits. Recommend ensuring the patient is euthyroid as well. Recheck echo is recommended in 10-12 months, sooner if the patient is developing cardiovascular clinical signs, a murmur develops, or an arrhythmia develops.



**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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