



**PATIENT**

Georgie Wellhoefer

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

17 Years

**WEIGHT**

Not Provided

**INTERPRETED BY**

Sara Brethel DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Kerri Becker

**HOSPITAL NAME**

Ringwood AH

**REFERRING VET**

Dr. Wilkes

**INVOICE**

35272

**DATE**

1/7/26

**PRESENTING CLINICAL SIGNS**

History: Gallop rhythm and elev. BNP. NSR. Lungs clear bilaterally.  
Abnormal PE/Chem/CBC/UA Results: SDMA-17 BNP-346

**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>	--	184	0.55	1.6	0.7	58.75	--
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>	1.72	2.0	--		~1.00	~0.8	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: 0.66

**Cardiac Presentation**

The left atrium is enlarged. The mitral valve leaflets are normal and there is no mitral regurgitation. There is no evidence of systolic anterior motion of the mitral valve and no evidence of a left ventricular outflow tract obstruction. There is concentric hypertrophy of the left ventricle. The right atrium is normal. The tricuspid valve is normal without evidence of tricuspid regurgitation. The right ventricle appears to have preserved systolic function subjectively. The aortic and pulmonic valves are normal without evidence of insufficiency. Aortic and pulmonic outflow velocities are within normal limits. The aorta and PA are normal along with the associated PA branches. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ULTRASONOGRAPHIC FINDINGS**

- Left ventricular concentric hypertrophy
- Enlarged left atrium

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The patient has evidence of left ventricular concentric hypertrophy and is classified as a stage B2 due to the increased left atrial size. If not already performed, it is recommended to ensure that patients blood pressure is normal and the patient is euthyroid. Clopidogrel therapy at 18.75mg (75mg tablet: ¼ tablet by mouth every 24 hours) is recommended to help reduce the risk for a blood clot. Since this



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can be a progressive condition, serial monitoring is recommended. It's recommended to recheck an echocardiogram in 6 months, sooner if the patient develops cardiovascular clinical signs.

Recommend obtaining a blood pressure on the patient to ensure it is <160mmHg. If the blood pressure is elevated recommend following ACVIM guidelines for systemic hypertension and treating if indicated.

Overall, the patient is considered an increased risk for elective anesthetic procedures at this time.



**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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