



**PRESENTING CLINICAL SIGNS**

History: Pre-anesthetic evaluation (cystotomy). Radiographs show mild cardiomegaly.

DATE

8/11/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

PERFORMED BY:

Dr. Brian Barnes

INTERPRETED BY

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

PATIENT

Maggie Norman

Left atrial size is normal. The mitral valve appears normal, though trace mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though trace tricuspid regurgitation is present. The pulmonary artery and pulmonic valve are normal. No heartworms are visualized. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus arrhythmia

- LA - 23.4 mm
- LVIDd - 23.2 mm
- LVIDs - 10.1 mm
- FS - 56.5%
- RA - 17.9 mm
- LVOT - 1.14 m/s
- RVOT - 1.10 m/s

SPECIES

Canine

BREED

Shih Tzu

**ASSESSMENT/RECOMMENDATIONS**

The only potential abnormalities seen in this exam are trace regurgitations of blood across Maggie's mitral and tricuspid valves, which could either be normal physiologic variants or very early indicators of developing degenerative valve disease. The hemodynamic effects of the regurgitations are negligible, and Maggie's cardiac function is well-compensated.

No therapy is recommended based on this exam, and there are no contraindications to general anesthesia or the use of any anesthetic agents.

SEX

A recheck echocardiogram is recommended if Maggie develops a murmur, or if other new physical exam and/or clinical abnormalities suggestive of cardiac dysfunction develop.

FS

AGE

7 y

WEIGHT

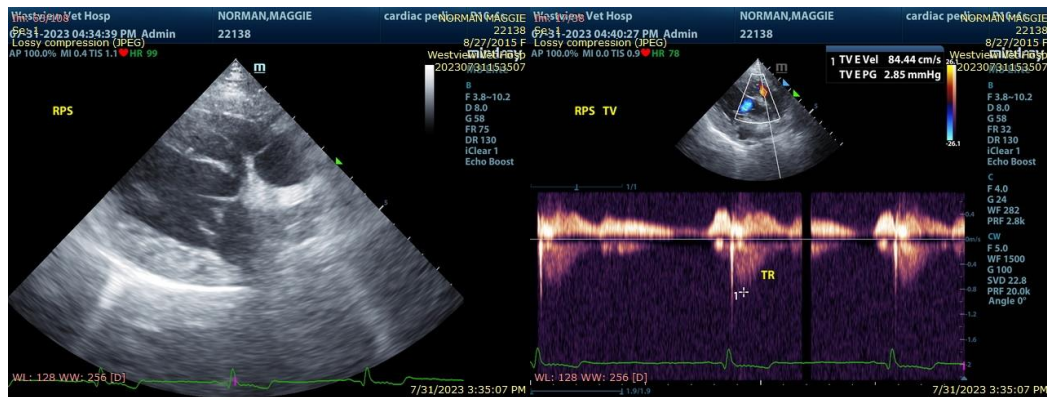
7 kg

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Barnes



The information and recommendations provided are based on the images presented by the referring veterinarian. 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.

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**Keith Blass, DVM, MS, DACVIM (Cardiology)**  
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631-804-5754

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