



**PRESENTING CLINICAL SIGNS**

History: Pre-anesthetic evaluation (dental). Receiving furosemide , enalapril, and pimobendan.

**DATE**

3/30/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Shari Reffi, CVT

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

Left atrial size is normal. The mitral valve leaflets are mildly thickened, and exhibit systolic prolapse. A mild jet of mitral regurgitation is present. Left ventricular wall thickness is normal. Left ventricular internal 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 leaflets are very mildly thickened, and a very mild jet of tricuspid regurgitation is present. TR velocity does not suggest the presence of pulmonary hypertension. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

**PATIENT**

Macy Corrado

LA - 19.8 mm  
LVIDd - 14.6 mm  
LVIDs - 7.2 mm  
FS - 50.7%  
RA - 12.2 mm  
LVOT - 1.15 m/s  
RVOT - 0.75 m/s  
TR - 2.60 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral and tricuspid valve disease

**BREED**

Shih Tzu Mix

This examination demonstrates mild regurgitation of blood across Macy's mitral and tricuspid valves resulting from degenerative valve disease. The hemodynamic effects of the regurgitations also appear to be mild, as Macy does not have secondary dilation of any of her cardiac chambers, and her ventricular systolic function is well-preserved. As such, Macy's valvular diseases appear to be well-compensated, and her current risk for the development of clinical signs secondary to them, such as coughing, exercise intolerance, syncope, abdominal distension, and labored breathing, appears to be low.

**SEX**

FS

Macy's cardiovascular risk for general anesthesia is low based on this exam, though I still recommend avoiding the use of alpha-2 agonists in the anesthetic protocol and reducing the IV fluid rate by 25% as precautions. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

**AGE**

10 y

No therapy appears to be warranted at this stage of Macy's valvular diseases.

A recheck echocardiogram is recommended in 6 months to monitor for disease progression.

**WEIGHT**

9.2 lb

**HOSPITAL NAME**

Basking Ridge AH

**REFERRING VET**

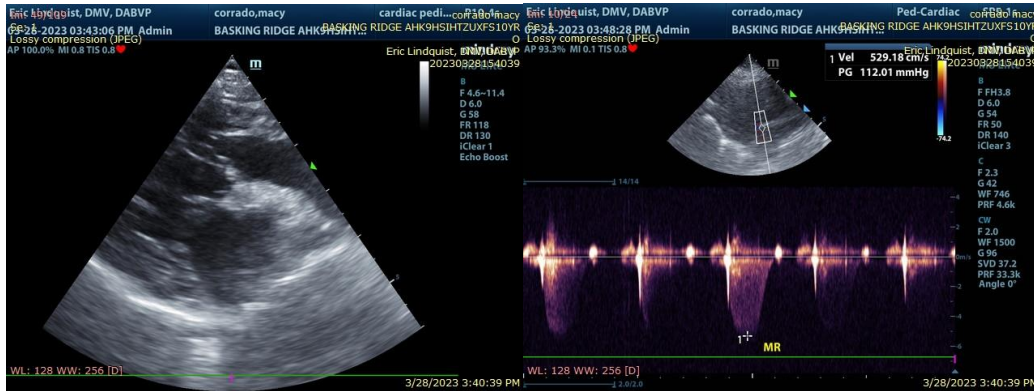
Dr. Hollo



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(Cardiology)



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.

PATIENT  
Macy Corrado  
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.

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

BREED  
Shih Tzu Mix

SEX  
FS

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10 y

WEIGHT  
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