


PRESENTING CLINICAL SIGNS

History: Grade IV/VI murmur. Pre-anesthetic evaluation (dental). Previous echo in Feb. 2021 showed severe MR and LA dilation. History of CHF. Receiving furosemide 6.25 mg SID, enalapril 2.5 mg BID, and pimobendan 1.25 mg BID. BUN 79, Cr 1.6.

DATE

10/12/22

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 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 mildly thickened, and a mild jet of tricuspid regurgitation is present. TR velocity is consistent with the presence of mild to moderate pulmonary hypertension (PG 48 mmHg). The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

PATIENT

Macy Corrado

LA - 19.7 mm
 LVIDd - 16.2 mm
 LVIDs - 6.5 mm
 FS - 59.9%
 RA - 14.0 mm
 LVOT - 1.08 m/s
 RVOT - 1.12 m/s
 TR - 3.46 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease
 Pulmonary hypertension

BREED

Maltese

This examination demonstrates mild regurgitation of blood across Macy's mitral and tricuspid valves resulting from her previously diagnosed degenerative valve disease. The current hemodynamic effects of each of the regurgitations appear to be mild, as Macy does not have secondary dilation of either of any of her cardiac chambers. As such, Macy's valvular diseases appear to be well-compensated, and her current risk for the development of clinical signs secondary to them appears to be low.

SEX

FS

Macy's tricuspid regurgitation velocity is consistent with the presence of mild to moderate pulmonary hypertension. Some dogs with this degree of pulmonary hypertension will experience clinical signs, such as exercise intolerance and/or syncope, therefore, careful monitoring for these is recommended.

AGE

10 y

Recommended therapy for Macy's pulmonary hypertension is sildenafil (5 mg BID). No therapy appears to be warranted for Macy's valvular diseases based on today's echocardiogram alone, however, continued use of her current medications would be warranted if Macy did indeed experience a previous episode of congestive heart failure.

WEIGHT

8.7 lb

Macy's cardiovascular risk for general anesthesia is mildly to moderately increased based on this exam, therefore, some precautions should be taken in order to minimize this risk. I recommend avoiding the use of alpha-2 agonists, ketamine, and telazol in the anesthetic protocol, as well as reducing the IV fluid rate by 25% and pre-oxygenating Macy for a few minutes prior to induction. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

HOSPITAL NAME

Basking Ridge AH

REFERRING VET

Dr. Hollo

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



DATE

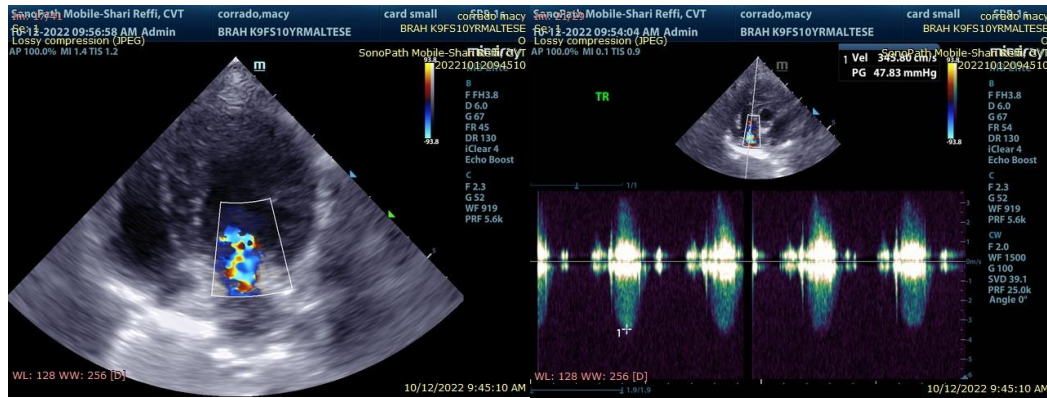
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PATIENT

Macy Corrado

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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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