


PRESENTING CLINICAL SIGNS

DATE History: Grade 5/6 left-sided murmur. Wet cough. Radiographs in 12/21 showed cardiomegaly and changes consistent with bronchitis. Currently receiving pimobendan 2.5 mg BID and Tussion 2.5 mg BID.

7/13/22

ECHOCARDIOGRAPHIC FINDINGS

PERFORMED BY: 2D, M-mode, and color Doppler study.

Kelly Vazquez

INTERPRETED BY There is moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate jet of eccentric mitral regurgitation is present. There is moderate left ventricular dilation. 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 does not suggest the presence of pulmonary hypertension. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

PATIENT LA - 35.3 mm
LVIDd - 34.4 mm
LVIDs - 15.8 mm
FS - 54%
LVOT - 1.36 m/s
RVOT - 1.40 m/s
TR - 2.60 m/s

Maddison Fernandez

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS
Degenerative mitral and tricuspid valve disease

BREED

Shih Tzu

SEX This examination demonstrates regurgitation of blood across Maddison's mitral and tricuspid valves resulting from degenerative valve disease. Maddison's tricuspid valve disease is mild, and appears to be well-compensated at this time. Her mitral valve disease is more advanced, as Maddison has moderate mitral regurgitation present, with moderate secondary dilation of both her left atrium and left ventricle, though her left ventricular systolic function is well-preserved. Given the presence of moderate left atrial dilation, it's possible that mainstem bronchial compression could be contributing to Maddison's cough. In addition to coughing, Maddison is at risk for the development of exercise intolerance, syncope, and labored breathing, therefore, careful monitoring for these signs is recommended.

FI

AGE

13 y

Maddison's current medications are appropriate based on this exam and her radiographic findings in December. If Maddison's cough is not well-controlled at this time, a trial with furosemide (6.25 mg BID) may be warranted.

WEIGHT

10.6 lb

A renal/electrolyte profile is recommended in 1-2 weeks if furosemide is started. A recheck echocardiogram is recommended in 6-9 months. Repeat radiographs are recommended if clinical signs compatible with congestive heart failure develop.

HOSPITAL NAME

Animal General on Hudson

REFERRING VET

Dr. Freedman



DATE

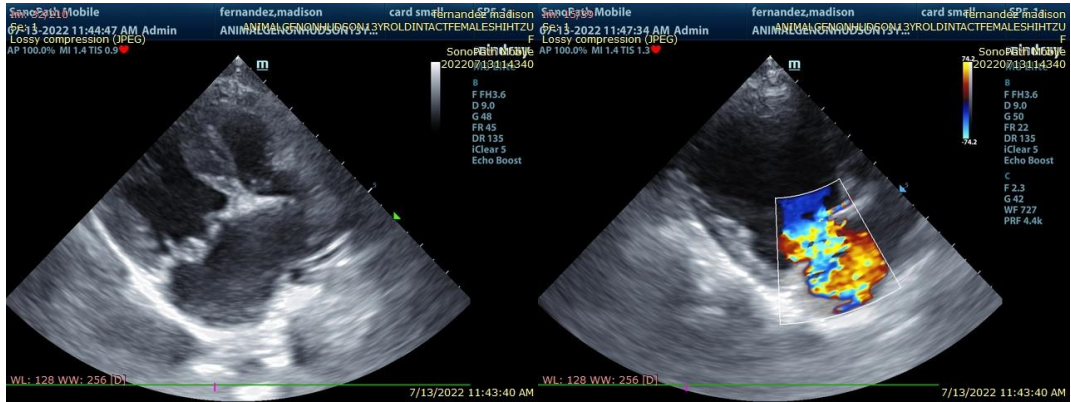
7/13/22

PERFORMED BY:

Kelly Vazquez

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)



PATIENT

Maddison Fernandez

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.

SPECIES

Canine

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.

Keith Blass, DVM, MS, DACVIM (Cardiology)

BREED

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631-804-5754

Shih Tzu

SEX

FI

AGE

13 y

WEIGHT

10.6 lb

HOSPITAL NAME

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Hudson

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