
DATE PRESENTING CLINICAL SIGNS

1/10/22

History: Tachycardic. Murmur. Elevated BNP (4354). Coughing. Radiographs consistent with left-sided CHF. Started on furosemide.

PERFORMED BY: ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

 Potomac Mobile
 Veterinary
 Ultrasound

There is severe left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A severe jet of eccentric mitral regurgitation is present. There is moderate to severe 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.

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

 LA - 56.1 mm
 LVIDd - 49.3 mm
 LVIDs - 27.1 mm
 FS - 45%
 RA - 21.9 mm
 LVOT - 1.01 m/s
 RVOT - 0.70 m/s
 TR - 2.79 m/s

PATIENT

Bruno Marangoni

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease

BREED

Labrador Mix

This examination demonstrates regurgitation of blood across Bruno's mitral and tricuspid valves resulting from degenerative valve disease. Bruno's tricuspid valve disease is mild, and appears to be well-compensated at this time. His mitral valve disease is significantly more advanced, as Bruno has severe mitral regurgitation present, with severe secondary dilation of his left atrium and moderate to severe dilation of his left ventricle. Given this, it comes as no surprise that Bruno has experienced an episode of left-sided congestive heart failure, and it's likely that mainstem bronchial compression is contributing to his cough. In addition to these, Bruno is at risk for the development of exercise intolerance and syncope, therefore, careful monitoring for these signs is recommended.

SEX

MN

AGE

14 y

Recommended maintenance therapy based on this exam and Bruno's radiographic findings includes furosemide (40 mg BID), enalapril (5 mg BID), pimobendan (5 mg BID), and spironolactone (25 mg BID).

Recheck radiographs and a renal/electrolyte profile are recommended in 1 week. A recheck echocardiogram is recommended in 6-9 months.

WEIGHT

47 lb

HOSPITAL NAME

Pets and Vets AH

REFERRING VET

Dr. Jarrett



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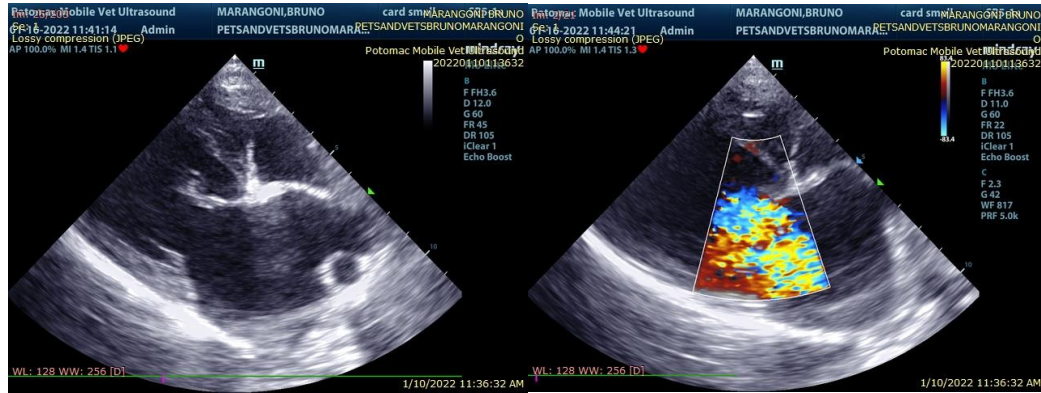
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Keith Blass, DVM, MS, DACVIM (Cardiology)
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