


RESENTING CLINICAL SIGNS

History: Grade V/VI murmur. Coughing for the past year. Receiving Robitussin DM. BUN 54, Cr 1.4.

DATE

4/11/23

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Shari Reffi, CVT

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

There is mild to moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit mild systolic prolapse. There is Doppler evidence of mitral regurgitation present. There is mild to moderate left ventricular dilation. Left ventricular systolic function is mildly hyperdynamic. The aortic valve leaflets are thickened, and mild aortic insufficiency is present. The aorta is normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation 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.

 LA - 27.0 mm
 LVIDd - 27.0 mm
 LVIDs - 15.0 mm
 FS - 44.4%
 RA - 12.9 mm
 LVOT - 2.10 m/s
 RVOT - 0.70 m/s
 TR - 1.49 m/s

PATIENT

Fiona Yoon

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral, tricuspid, and aortic valve disease

BREED

Shih Tzu

This examination demonstrates regurgitation of blood across Fiona's mitral, tricuspid, and aortic valves resulting from degenerative valve disease. Fiona's tricuspid and aortic valve diseases are mild, and appear to be well-compensated at this time. Her mitral valve disease is more advanced, as Fiona has mild to moderate secondary dilation of both her left atrium and left ventricle, though her left ventricular systolic function is well-preserved. While it's possible that mainstem bronchial compression could be contributing to Fiona's cough, the absence of more significant dilation indicates that it is not the primary cause, and consideration should be given to the presence of dynamic tracheal collapse and/or inflammatory airway disease. Fiona is at risk for the development of exercise intolerance, syncope, and/or labored breathing, therefore, careful monitoring for these signs is recommended.

SEX

FS

AGE

17 y

I recommend starting Fiona on pimobendan (1.25 mg am, 0.625 mg pm), as this medication should help to slow the progression of her valvular diseases. A trial with furosemide (2.5 mg BID) can be considered if Fiona's cough persists.

WEIGHT

5.6 lb

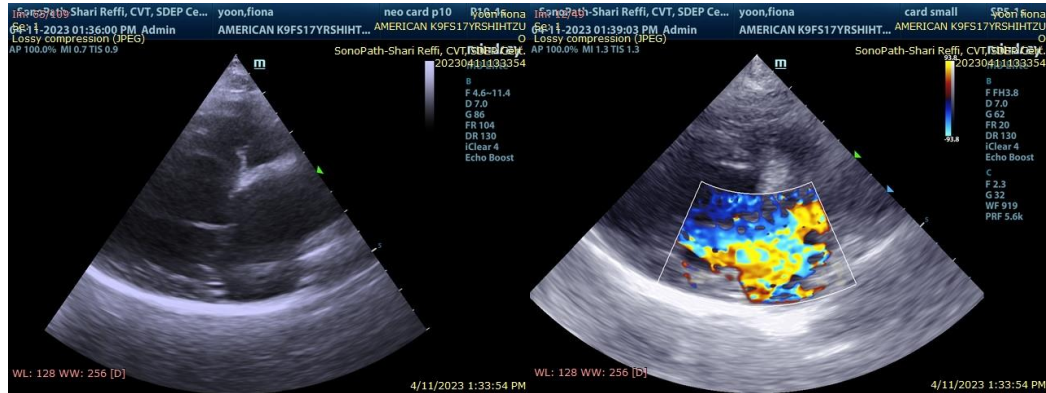
If furosemide is started, a renal/electrolyte profile is recommended in 1 week after doing so. A recheck echocardiogram is recommended in 6-9 months. Thoracic radiographs are recommended if Fiona experiences labored breathing.

HOSPITAL NAME

American AH

REFERRING VET

Dr. Arculli



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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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631-804-5754

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Shih Tzu

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