


PRESENTING CLINICAL SIGNS

History: Grade IV/VI murmur. Coughing more. Currently receiving pimobendan 2.5 mg BID and enalapril 5 mg BID.

DATE

6/28/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Shari Reffi, CVIT

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

There is very mild left atrial dilation. The mitral valve leaflets are mildly thickened and exhibit systolic prolapse. A mild to moderate jet of eccentric mitral regurgitation is present. There is borderline mild 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 is consistent with the presence of mild pulmonary hypertension (PG 39.9 mmHg). The pulmonary artery and pulmonic valve are normal. No pericardial effusion or cardiac masses are seen.

PATIENT

Peanut Parent

 LA - 32.8 mm
 LVIDd - 31.0 mm
 LVIDs - 15.4 mm
 FS - 50%
 RA - 21.1 mm
 LVOT - 1.37 m/s
 RVOT - 1.06 m/s
 TR - 3.16 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

 Degenerative mitral and tricuspid valve disease
 Pulmonary hypertension

BREED

Beagle

This examination demonstrates regurgitation of blood across Peanut's mitral and tricuspid valves resulting from degenerative valve disease. Peanut's tricuspid valve disease is mild, and is well-compensated at this time. Her mitral valve disease is a bit more advanced, as Peanut has mild to moderate mitral regurgitation present, with very mild secondary dilation of her left atrium and borderline mild dilation of her left ventricle, though her left ventricular systolic function is well-preserved. As only very mild left atrial dilation is present, Peanut's current risk for the development of left-sided congestive heart failure appears to be fairly low, and it is unlikely that her cardiac disease is the cause of her cough.

SEX

FS

AGE

13 y

Peanut's tricuspid regurgitation velocity is consistent with the presence of mild pulmonary hypertension, which has likely developed secondary to the underlying cause of her cough. Mild pulmonary hypertension is well-tolerated in dogs, though careful monitoring for progression is recommended.

WEIGHT

21 lb

Thoracic radiographs are recommended to further evaluate Peanut's cough.

No change in cardiac therapy is recommended based on this exam. If no clear reason for Peanut's cough is appreciated in her radiographs, a trial with a cough suppressant, such as hydrocodone, is recommended.

HOSPITAL NAME

Tranquility VC

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

REFERRING VET

Dr. Christensen



DATE

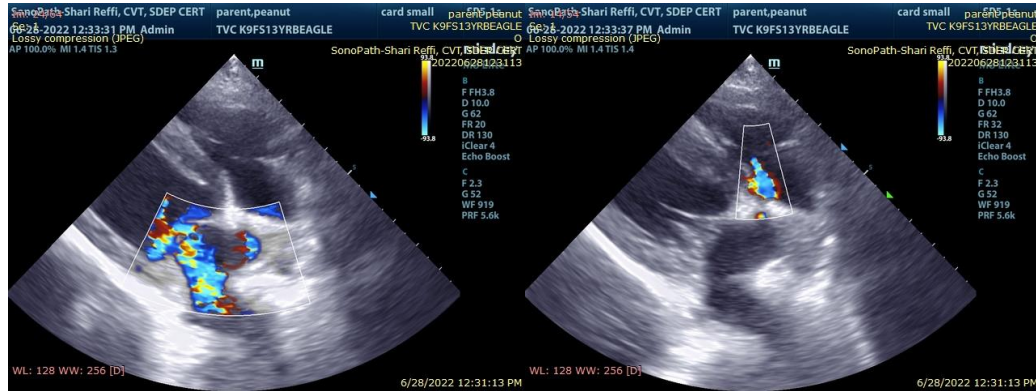
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

Peanut Parent

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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