



RESENTING CLINICAL SIGNS

History: Grade 4-5/6 murmur. History of valvular disease. Recent cough. Cardiomegaly without CHF in radiographs. No current medications.

DATE

8/4/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Diane McFadden

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

There is moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate to severe jet of eccentric mitral regurgitation is present. There is moderate left ventricular dilation. Left ventricular systolic function is normal. 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 44.9 mmHg). The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

PATIENT

Dylan McArthur

LA - 39.1 mm
LVIDd - 38.4 mm
LVIDs - 22.6 mm
FS - 41%
RA - 17.7 mm
LVOT - 1.43 m/s
RVOT - 1.34 m/s
TR - 3.35 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease
Pulmonary hypertension

BREED

Norwich Terrier

This examination demonstrates regurgitation of blood across Dylan's mitral and tricuspid valves resulting from his previously diagnosed degenerative valve disease. Dylan's tricuspid valve disease is mild, and appears to be well-compensated. His mitral valve disease is more advanced, as Dylan has moderate to severe mitral regurgitation present, with moderate secondary dilation of both his left atrium and left ventricle, as well as mild secondary pulmonary hypertension. Given the presence of moderate left atrial dilation, it's likely that mainstem bronchial compression is contributing to Dylan's cough. In addition to coughing, Dylan is at risk for the development of exercise intolerance, syncope, and labored breathing, therefore, careful monitoring for these signs is recommended.

SEX

MN

AGE

12 y

I recommend starting Dylan on pimobendan (2.5 mg am, 1.25 mg pm) and hydrocodone (1.25-2.5 mg PRN, up to every 6 hours), as the former should help to slow the progression of his mitral valve disease, while the latter should help to improve his cough.

WEIGHT

15.6 lb

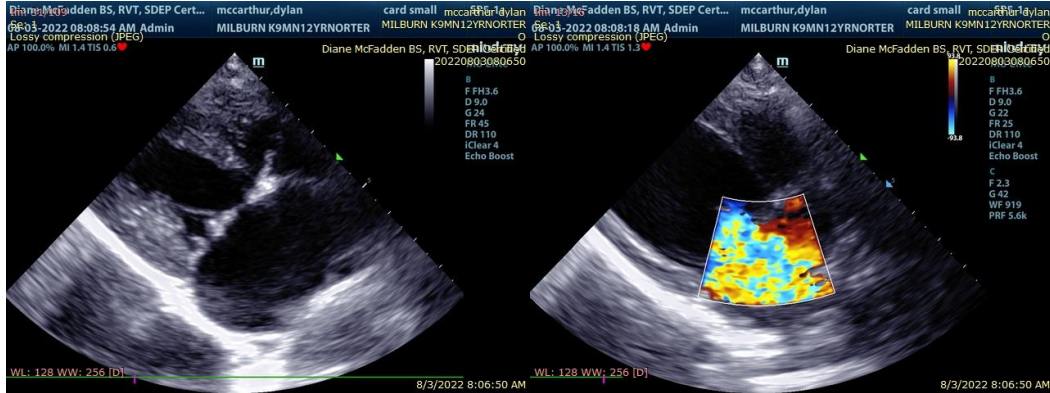
A recheck echocardiogram is recommended in 6 months. Repeat radiographs are recommended if Dylan experiences labored breathing.

HOSPITAL NAME

Milburn VH

REFERRING VET

Dr. Turowsky



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

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.

Dylan McArthur

Keith Blass, DVM, MS, DACVIM (Cardiology)
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631-804-5754

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