


PRESENTING CLINICAL SIGNS

DATE History: Grade 5/6 left-sided murmur that radiates to the right. Coughing, weight loss. HW negative.

8/3/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Loetitia Saint-Jacques, RVT, LVT

There is mild to moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate jet of eccentric mitral regurgitation is present. Left ventricular internal dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though trace 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 - 29.5 mm
 LVIDd - 29.3 mm
 LVIDs - 15.8 mm
 FS - 46%
 RA - 14.8 mm
 LVOT - 1.43 m/s
 RVOT - 0.69 m/s
 TR - 2.75 m/s

PATIENT

Buddy Roberts

SPECIES

Canine

ELECTROCARDIOGRAPHIC FINDINGS

A six lead ECG is submitted for review.

HR: 176-214 bpm
 Rhythm: Sinus tachycardia

BREED

Chihuahua

Sinus tachycardia is present throughout this recording. The MEA is normal. All complex amplitudes and intervals are within normal limits. No premature beats or conduction blocks are seen.

SEX
RADIOGRAPHIC FINDINGS

MN

Three-view thoracic radiographs are submitted for review.

AGE

14 y

There is mild left atrial and left ventricular enlargement. The pulmonary vessels are within normal limits. The pulmonary parenchyma and pleural space are within normal limits. The trachea is normal. The remainder of the thorax is unremarkable.

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease

WEIGHT

11 lb

Buddy's echocardiogram demonstrates moderate regurgitation of blood across his mitral valve resulting from degenerative valve disease. Secondary to his regurgitation, Buddy has mild to moderate dilation of both his left atrium and left ventricle, though his left ventricular systolic function is well-preserved. Given the presence of mild to moderate left atrial dilation, it's possible that mainstem bronchial compression could be contributing to Buddy's cough, though definitive evidence of this is not appreciated in his radiographs, and consideration should also be given to dynamic tracheal collapse and inflammatory airway disease as possible causes of the cough. Buddy's mitral valve disease is still compensated, however, he is at risk for the development of exercise intolerance, syncope, and labored breathing, therefore, careful monitoring for these signs

HOSPITAL NAME

South Reno VH

REFERRING VET

Dr. Schmitt



is recommended.

DATE

No reason for Buddy's weight loss is appreciated in these exams.

8/3/22

I recommend starting Buddy on pimobendan (1.25 mg BID), as this medication should help to slow the progression of his mitral valve disease. If Buddy's cough is significant enough to warrant therapy, hydrocodone (1.25 mg PRN, up to every 6 hours) is recommended.

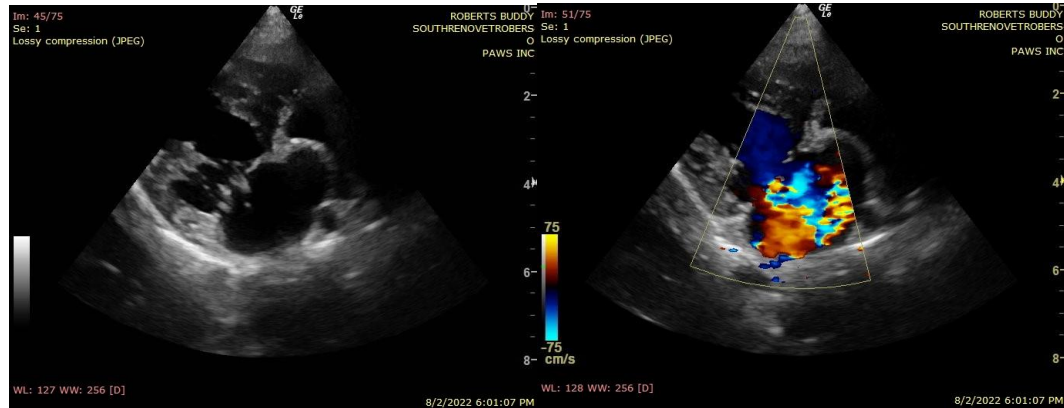
PERFORMED BY:

Loetitia Saint-Jacques, RVT, LVT

A recheck echocardiogram is recommended in 9 months. Recheck radiographs are recommended if Buddy experiences labored breathing.

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PATIENT

Buddy Roberts

SPECIES

Canine

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.

BREED

Chihuahua

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.

SEX

Keith Blass, DVM, MS, DACVIM (Cardiology)

MN

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631-804-5754

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WEIGHT

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