



PRESENTING CLINICAL SIGNS

History: Grade 4/6 systolic murmur heart bilaterally. Coughing more.

DATE

11/24/21

ECHOCARDIOGRAPHIC FINDINGS

Multiple 2D, M-mode, and Doppler video loops and still images are submitted for review.

PERFORMED BY:

Dr. G. Ferrer

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

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. There is mild to 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. The pulmonary artery and pulmonic valve are normal. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus arrhythmia

PATIENT

Lucas Margarida

LA - 34.9 mm
LVIDd - 34.9 mm
LVIDs - 20.9 mm
FS - 40%
RA - 24.6 mm
LVOT - 1.14 m/s
RVOT - 0.76 m/s
TR - 2.48 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease

BREED

Min. Schnauzer

This examination demonstrates regurgitation of blood across Lucas' mitral and tricuspid valves resulting from degenerative valve disease. Lucas' tricuspid valve disease is mild, and is well-compensated at this time. His mitral valve disease is more advanced, as Lucas has moderate mitral regurgitation present, with mild to moderate secondary dilation of both his left atrium and left ventricle, though his left ventricular systolic function is well-preserved. While I can't rule out a cardiac contribution to Lucas' cough, the absence of more significant left atrial dilation suggests that mainstem bronchial compression is unlikely to be its primary cause. Lucas' mitral valve disease is still compensated, however, he could become at risk for the development of clinical signs, such as exercise intolerance, syncope, and labored breathing, if his disease were to progress much further, therefore, careful monitoring for these signs is recommended.

SEX

MI

AGE

14 y

Thoracic radiographs are recommended to further evaluate Lucas' cough.

I recommend starting Lucas on pimobendan (2.5 mg BID), as this medication should help to slow the progression of his mitral valve disease. Pending the results of the recommended radiographs, a cough suppressant, such as hydrocodone, may be given to treat Lucas' cough.

WEIGHT

22 lb

A recheck echocardiogram is recommended in 6-9 months.

HOSPITAL NAME

Paseos VC

REFERRING VET

Dr. Carrasquillo



DATE
11/24/21

PERFORMED BY:
Dr. G. Ferrer

INTERPRETED BY
Keith Blass, DVM,
MS, DACVIM
(Cardiology)



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
Lucas Margarida

SPECIES
Canine

BREED
Min. Schnauzer

SEX
MI

AGE
14 y

WEIGHT
22 lb

HOSPITAL NAME
Paseos VC

REFERRING VET
Dr. Carrasquillo

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)
KeithBlass@gmail.com
631-804-5754