


PRESENTING CLINICAL SIGNS

DATE History: Murmur. Possible syncopal episode the other day. No current cardiac medications.

5/3/22 ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY: There is mild left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. There is Doppler evidence of mitral regurgitation present. There is mild left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve appear normal, though trace aortic insufficiency is present. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though trace tricuspid regurgitation is present. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

Dr. Meredith Swart

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

LA - 26.0 mm
LVIDd - 26.5 mm
LVIDs - 13.7 mm
FS - 48%
RA - 16.9 mm
LVOT - 1.20 m/s
RVOT - 0.77 m/s

PATIENT

Bonnie Jacobs

SPECIES ASSESSMENT/RECOMMENDATIONS

Canine

Degenerative mitral valve disease

BREED

Papillon

This examination demonstrates regurgitation of blood across Bonnie's mitral valve resulting from degenerative valve disease. Secondary to her regurgitation, Bonnie has mild dilation of both her left atrium and left ventricle, though her left ventricular systolic function is well-preserved. As only mild left heart chamber dilation is present, Bonnie's current risk for the development of exercise intolerance, coughing, and labored breathing, appears to be relatively low, though careful monitoring for these signs is recommended. As for Bonnie's possible syncopal episode, it's possible that her mitral valve disease could be the cause, however, given the absence of more advanced disease, other differentials, such as vasovagal syncope, an arrhythmia, and pulmonary hypertension, should be considered as well.

SEX

FS

I recommend starting Bonnie on pimobendan (1.25 mg BID), as this medication should help to slow the progression of her mitral valve disease, as well as reduce her risk for syncope secondary to her mitral regurgitation.

AGE

16 y

An ECG and/or Holter/event monitor is recommended if Bonnie experiences additional syncopal episodes. A recheck echocardiogram is recommended in 6-9 months. Thoracic radiographs are recommended if Bonnie experiences respiratory clinical signs.

WEIGHT

11 lb

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart



DATE

5/3/22

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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

Bonnie Jacobs

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.

SPECIES

Canine

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BREED

Papillon

SEX

FS

AGE

16 y

WEIGHT

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