


PRESENTING CLINICAL SIGNS
DATE

History: Experienced an episode at home in which she became limp, apneic, and non-responsive on 9/16/22. Started on furosemide 12.5 mg BID, enalapril 2.5 mg SID, and pimobendan 1.25 mg BID. Also receives trazodone. Grade 5/6 murmur. ECG showed no abnormalities.

9/19/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Dr. Ebersole

There is mild left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A mild to moderate jet of eccentric mitral regurgitation is present. There is 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 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.

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

ECG during echo: Sinus rhythm

PATIENT

Diamond Cleaves

 LA - 29.4 mm
 LVIDd - 29.2 mm
 LVIDs - 13.1 mm
 FS - 55%
 RA - 13.0 mm
 LVOT - 1.65 m/s
 RVOT - 1.10 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease

BREED

Maltese

This examination demonstrates mild to moderate regurgitation of blood across Diamond's mitral valve resulting from degenerative valve disease. Secondary to her regurgitation, Diamond has mild dilation of both her left atrium and left ventricle, though her left ventricular systolic function is preserved. While Diamond's mitral valve disease cannot be ruled out as a possible cause of her recent episode, the absence of more advanced changes suggests that other causes, such as an arrhythmia, vasovagal episode, or respiratory abnormality should also be considered as possible causes. While no arrhythmia was seen in the ECG recorded during Diamond's echocardiogram or the submitted one, the presence of an intermittent arrhythmia cannot be ruled out. While I have not seen Diamond's radiographs, it would be surprising if she experienced an episode of left-sided congestive heart failure with only mild dilation of her left atrium, though I would certainly believe she did if she had appropriate clinical signs in addition to the noted radiographic changes.

12 y

Continued use of pimobendan (2.5 mg am, 1.25 mg pm) is warranted based on this exam. Continued use of furosemide and enalapril would be warranted if Diamond did experience an episode of CHF. No contraindication to trazodone is seen in this exam, though a trial without the medication may be warranted if Diamond experiences additional episode of non-responsiveness.

WEIGHT

14.2 lb

A Holter and/or event monitor is recommended if Diamond experiences additional episodes. A recheck echocardiogram is recommended in 9 months. Repeat radiographs are recommended if Diamond experiences respiratory clinical signs.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Sanders



DATE

9/19/22

PERFORMED BY:

Dr. Ebersole

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)



PATIENT

Diamond Cleaves

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.

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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KeithBlass@gmail.com
631-804-5754

BREED

Maltese

SEX

FS

AGE

12 y

WEIGHT

14.2 lb

HOSPITAL NAME

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REFERRING VET

Dr. Sanders