



**PRESENTING CLINICAL SIGNS**

**DATE** History: Grade 4/6 murmur. Occasional cough.

7/27/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Crystal Hill

There is mild left atrial dilation. The mitral valve leaflets are thickened and exhibit mild systolic prolapse. A mild to moderate jet of mitral regurgitation is present. There is mild left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

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.

LA - 28.4 mm  
LVIDd - 28.2 mm  
LVIDs - 13.7 mm  
FS - 51.4%  
RA - 16.5 mm  
LVOT - 1.20 m/s  
RVOT - 0.75 m/s

**PATIENT**

Princess DFBH

**ELECTROCARDIOGRAPHIC FINDINGS**

**SPECIES** A single lead ECG is submitted for review.

Canine

HR: 122 bpm  
Rhythm: Sinus

**BREED**

Yorkie

Normal sinus rhythm is present throughout this recording. All complex amplitudes and intervals are within normal limits. No premature beats or conduction blocks are seen.

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**SEX**

FI

This examination demonstrates mild to moderate regurgitation of blood across Princess's mitral valve resulting from degenerative valve disease. Secondary to her regurgitation, Princess 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, there does not appear to be a cardiogenic contribution to Princess's cough, and her current risk for the development of other clinical signs of cardiac dysfunction, such as exercise intolerance, syncope, and labored breathing is only mildly elevated, though careful monitoring for these signs is recommended going forward.

**AGE**

8 y

No abnormalities are appreciated in Princess's ECG.

**WEIGHT**

12.4 lb

Thoracic radiographs may be warranted to further evaluate Princess's cough.

**HOSPITAL NAME**

Creditview-Eglington  
AH

I recommend starting Princess on pimobendan (1.25 mg BID), as this medication should help to slow the progression of her mitral valve disease.

**REFERRING VET**

Dr. Ghobrial

A recheck echocardiogram is recommended in 9 months.



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PATIENT

Princess DFBH

SPECIES

Canine

BREED

Yorkie

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AGE

8 y

WEIGHT

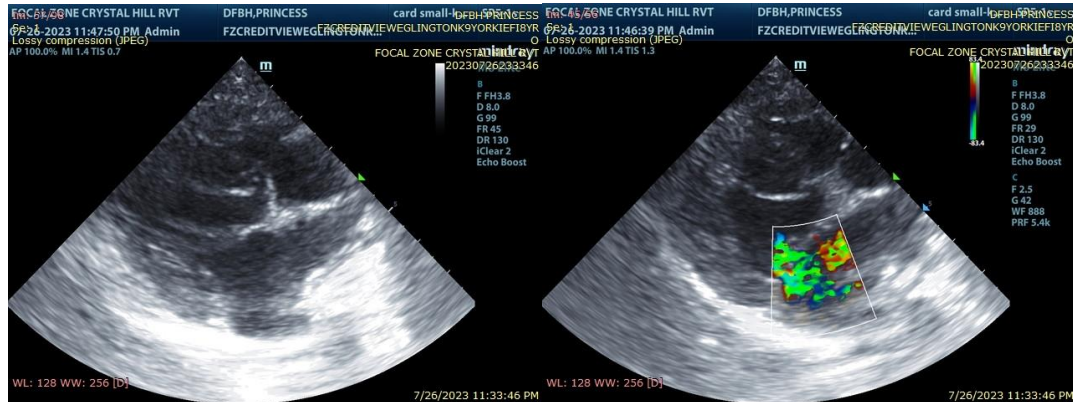
12.4 lb

HOSPITAL NAME

Creditview-Eglington  
AH

REFERRING VET

Dr. Ghobrial



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.

Keith Blass, DVM, MS, DACVIM (Cardiology)  
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