


**PRESENTING CLINICAL SIGNS**

**DATE** History: Grade IV/VI murmur. Coughing. Radiographs show cardiomegaly and mainstem bronchial narrowing.

8/2/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Jessical Miller, RDMS

There is moderate to severe left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate to severe jet of mitral regurgitation is present. There is moderate to severe 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 heartworms are visualized. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

LA - 36.6 mm  
LVIDd - 35.4 mm  
LVIDs - 18.3 mm  
FS - 48.3%  
RA - 15.5 mm  
LVOT - 1.12 m/s  
RVOT - 0.51 m/s

**PATIENT**

Finn Katz

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**BREED**

Havanese

This examination demonstrates moderate to severe regurgitation of blood across Finn's mitral valve resulting from degenerative valve disease. Secondary to his regurgitation, Finn has moderate to severe dilation of both his left atrium and left ventricle, though his left ventricular systolic function is well-preserved. Given the severity of his disease, it comes as no surprise that mainstem bronchial compression appears to be contributing to Finn's cough. In addition to coughing, Finn is at fairly high risk for the development of exercise intolerance, syncope, and labored breathing, therefore, careful monitoring for these signs is recommended.

**SEX**

MN

I recommend starting Finn on furosemide (6.25 mg BID), enalapril (2.5 mg BID), and pimobendan (2.5 mg am, 1.25 mg pm), as these medications should help to improve his cough, as well as slow the progression of his mitral valve disease. A cough suppressant, such as hydrocodone, may be given if Finn's cough persists.

**AGE**

13 y

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 6-9 months. Repeat radiographs are recommended if Finn experiences labored breathing.

**WEIGHT**

14.8 lb

**HOSPITAL NAME**

Animal General on  
Hudson

**REFERRING VET**

Dr. Ng



DATE

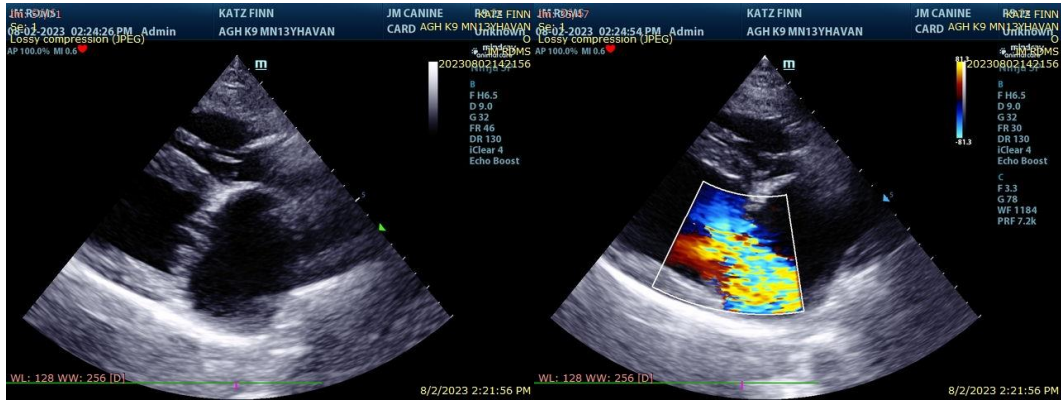
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

Finn Katz

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

Keith Blass, DVM, MS, DACVIM (Cardiology)  
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631-804-5754

BREED

Havanese

SEX

MN

AGE

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