



**PRESENTING CLINICAL SIGNS**

History: Suspected cardiac disease. Receiving furosemide 25 mg BID.

**DATE**

6/20/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Val Shumskaya

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

There is mild to moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit mild 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 aortic valve is normal. There is dilation of the ascending aorta. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and a mild jet of tricuspid regurgitation is present. TR velocity does not suggest the presence of pulmonary hypertension. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

**PATIENT**

Flower Ferioli

LA - 43.8 mm  
LVIDd - 43.8 mm  
LVIDs - 26.2 mm  
FS - 40%  
RA - 28.0 mm  
LVOT - 1.76 m/s  
RVOT - 1.08 m/s  
TR - 2.40 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral and tricuspid valve disease

**BREED**

Shepherd Mix

This examination demonstrates regurgitation of blood across Flower's mitral and tricuspid valves resulting from degenerative valve disease. Flower's tricuspid valve disease is mild, and appears to be well-compensated at this time. Her mitral valve disease is more advanced, as Flower has moderate mitral regurgitation present, with mild to moderate secondary dilation of both her left atrium and left ventricle. Given the presence of mild to moderate left heart chamber dilation, Flower is at risk for the development of clinical signs secondary to her mitral valve disease, such as coughing, exercise intolerance, syncope, and labored breathing, therefore, careful monitoring for these signs is recommended.

**SEX**

FS

I recommend starting Flower on pimobendan (5 mg am, 2.5 mg pm), as this medication should help to slow the progression of her mitral valve disease. Continued use of furosemide would be warranted if Flower experienced clinical signs that improved with therapy.

**AGE**

16 y

A recheck echocardiogram is recommended in 9 months. Thoracic radiographs are recommended if Flower experiences respiratory clinical signs.

**WEIGHT**

33.2 lb

**HOSPITAL NAME**

Hillsdale AH

**REFERRING VET**

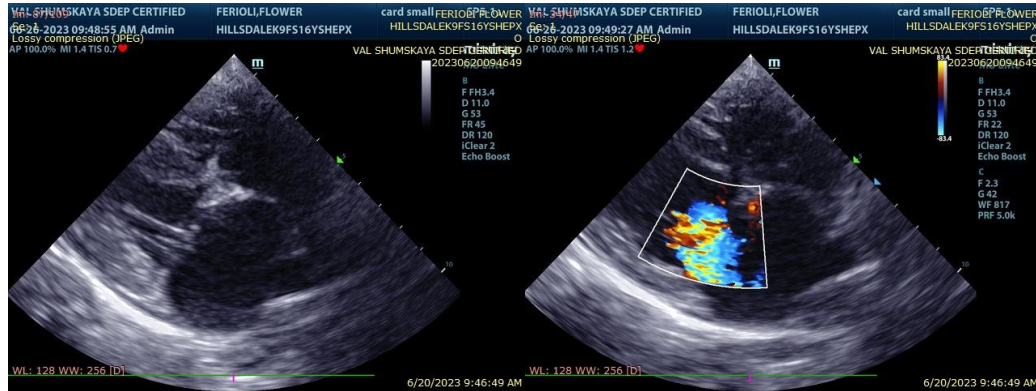
Dr. Fischer



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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

Flower Ferioli

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

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

Canine

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Shepherd Mix

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