


PRESENTING CLINICAL SIGNS

DATE History: Grade II-III/VI left-sided murmur. ECG showed tall R waves. Pre-anesthetic evaluation (dental).

8/31/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Dr. Meredith Swart

There is mild left atrial dilation. The mitral valve leaflets are mildly thickened, and there is Doppler evidence of mitral regurgitation present. There is mild left ventricular dilation. Left ventricular systolic function is normal. 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 pulmonary valve are normal. No shunting lesions are visualized. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

LA – 37.4 mm
LVIDd – 35.3 mm
LVIDs – 22.3 mm
FS – 36.8%
RA – 18.1 mm
LVOT – 1.48 m/s
RVOT – 0.86 m/s

PATIENT

Sophia Higginbotham

ASSESSMENT/RECOMMENDATIONS
SPECIES

Degenerative mitral valve disease

Canine

This examination demonstrates regurgitation of blood across Sophia's mitral valve resulting from degenerative valve disease. Secondary to her regurgitation, Sophia has mild dilation of both her left atrium and left ventricle, though her left ventricular systolic function is normal. As only mild left heart chamber dilation is present, Sophia's current risk for the development of clinical signs of cardiac dysfunction, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be relatively low, though careful monitoring for these signs is recommended.

BREED

Dachshund

SEX

Sophia's cardiovascular risk for general anesthesia is mildly increased based on this exam, therefore, some precautions should be taken in order to minimize this risk. I recommend avoiding the use of alpha-2 agonists, ketamine, and telazol in the anesthetic protocol, as well as reducing the IV fluid rate by 25-50%. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

FS

AGE

I recommend starting Sophia on pimobendan (2.5 mg BID), as this medication should help to slow the progression of her mitral valve disease, as well as decrease her risk for general anesthesia.

16 y

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

WEIGHT

9 kg

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart



DATE

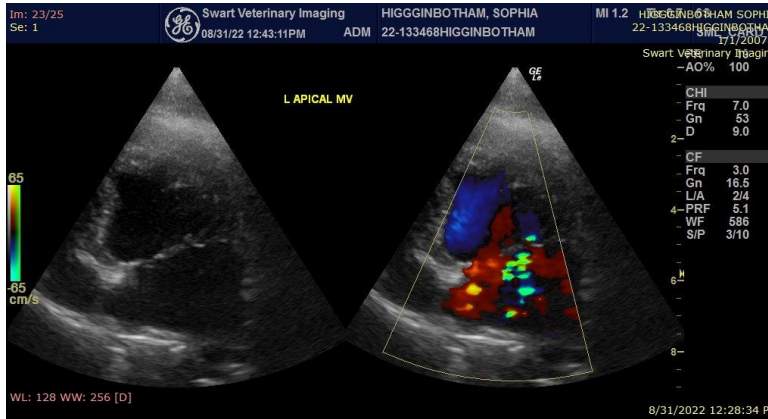
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PATIENT

Sophia Higginbotham

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

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

Canine

BREED

Dacshund

SEX

FS

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16 y

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