


PRESENTING CLINICAL SIGNS

DATE History: Murmur. Pre-anesthetic evaluation (cruciate repair). ECG – sinus rhythm.

5/4/22 **ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

PERFORMED BY: 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 leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation present. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

Dr. Meredith Swart

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

LA – 47.3 mm
 LVIDd – 45.1 mm
 LVIDs – 26.3 mm
 FS – 41.7%
 RA – 29.0 mm
 LVOT – 1.33 m/s
 RVOT – 1.15 m/s
 TR – 2.69 m/s

PATIENT

Duke York

SPECIES ASSESSMENT/RECOMMENDATIONS

Canine

Degenerative mitral and tricuspid valve disease

BREED

Boxer Mix

This examination demonstrates regurgitation of blood across Duke's mitral and tricuspid valves resulting from degenerative valve disease. Duke's tricuspid valve disease is mild, and appears to be well-compensated at this time. His mitral valve disease is a bit more advanced, as Duke has mild secondary dilation of both his left atrium and left ventricle, though his left ventricular systolic function is well-preserved. As only mild left heart chamber dilation is present, Duke's mitral valve disease appears to be well-compensated, and his current risk for the development of clinical signs secondary to it, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be relatively low.

SEX

MN

Duke's cardiovascular risk for general anesthesia is mildly increased based on this exam, therefore, 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%. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

AGE

11 y

I recommend starting Duke on pimobendan (7.5 mg BID), as this medication should help to slow the progression of his mitral valve disease, as well as decrease his risk for general anesthesia.

WEIGHT

57 lb

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

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart



DATE

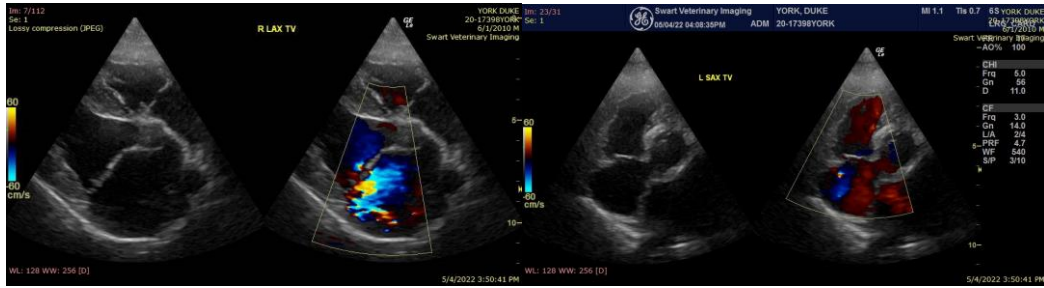
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

PATIENT

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Duke York

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Boxer Mix

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