



PRESENTING CLINICAL SIGNS

History: Grade 2/6 systolic murmur. Pre-anesthetic evaluation.

DATE

8/3/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Dr. Ebersole

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

Left atrial size is normal. The mitral valve is normal. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve appear normal, though there is mildly increased flow velocity in the ascending aorta. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though very mild 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.

ECG during echo: Sinus arrhythmia

PATIENT

Atlas Mugford

SPECIES

Canine

LA - 36.9 mm
IVSd - 9.3 mm
LVPWd - 9.7 mm
LVIDd - 37.6 mm
LVIDs - 26.1 mm
FS - 30.6%
RA - 25.2 mm
LVOT - 1.79 m/s
RVOT - 1.42 m/s

ASSESSMENT/RECOMMENDATIONS

BREED

Boxer

This examination demonstrates very mild regurgitation of blood across Atlas' tricuspid valve, which, given his age, is likely due to the presence of a mild form of valvular dysplasia. The hemodynamic effects of the regurgitation are negligible at present, and it's unlikely that the regurgitation will significantly worsen over time.

SEX

M

Also seen in this exam is mildly increased flow velocity in Atlas' aorta, which could potentially be contributing to his murmur. The increase in flow velocity is innocent in nature, and is not related to the presence of aortic stenosis.

AGE

9 mo

Atlas' cardiovascular risk for general anesthesia is low based on this exam, though I do recommend avoiding the use of alpha-2 agonists in the anesthetic protocol as a precaution.

WEIGHT

58 lb

No therapy is recommended based on this exam.

A recheck echocardiogram is recommended in 9 months, sooner if new clinical signs compatible with cardiac dysfunction develop.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Goodman



DATE

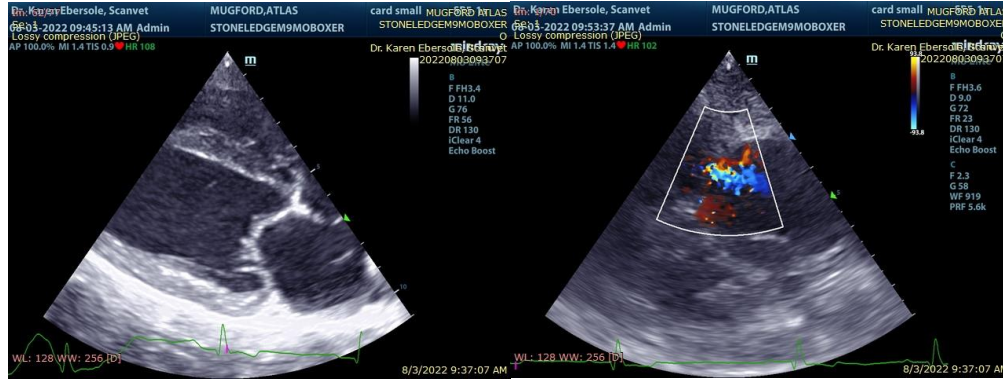
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Atlas Mugford

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

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