

PATIENT PRESENTING CLINICAL SIGNS

Max Uhler

History: 3/6 holosystolic murmur, skin issues

SPECIES ECHOCARDIOGRAPHIC FINDINGS

Canine

2D, M-mode, and Doppler study.

BREED

German Shepherd

There is mild, bordering on mild to moderate, left atrial dilation. The mitral valve leaflets are thickened, and a mild to moderate jet of eccentric mitral regurgitation is present. Left ventricular wall thickness is normal. There is mild left ventricular dilation. Left ventricular systolic function is normal. The subaortic region, aorta, and aortic valve appear normal, though there is increased flow velocity in this region. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

SEX

Male Neutered

AGE

5 years

LA - 50.8 mm
IVSd - 12.9 mm
LVPWd - 12.9 mm
LVIDd - 48.0 mm
LVIDs - 28.0 mm
FS - 41.7%

WEIGHT

74.6 lbs

LVOT - 3.30 m/s
RVOT - 1.54 m/s

INTERPRETED BY ASSESSMENT/RECOMMENDATIONS

Keith Blass, DVM,
MS, DACVIM

Degenerative mitral valve disease
Possible subaortic stenosis (SAS)

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

This examination demonstrates mild to moderate regurgitation of blood across Max's mitral valve resulting from degenerative valve disease. Secondary to his regurgitation, Max has mild, bordering on mild to moderate, dilation of his left atrium and mild dilation of his left ventricle, though his left ventricular systolic function is well-preserved. Max's mitral valve disease is still compensated, however, he could become at risk for the development of clinical signs, such as coughing, exercise intolerance, syncope, and labored breathing, if his disease continues to progress, and careful monitoring for these signs is recommended going forward.

HOSPITAL NAME

Maple Hills VH

Also seen in this exam is increased flow velocity in Max's left ventricular outflow tract/aorta. While no lesions are visualized via 2D imaging, the velocity of flow is consistent with the presence of mild subaortic stenosis. Mild subaortic stenosis is typically very well-tolerated in dogs, though careful monitoring of Max's flow velocity is recommended going forward.

REFERRING VET

Dr. Eckman

I recommend starting Max on pimobendan (10 mg am, 7.5 mg pm), as this medication should help to slow the progression of his mitral valve disease.

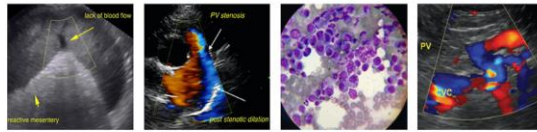
A recheck echocardiogram is recommended in 9 months. Thoracic radiographs are recommended if Max experiences respiratory clinical signs.

DATE

12.30.2021

IMAGING PERFORMED BY

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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.

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