

**PRESENTING CLINICAL SIGNS**

History: Grade II/VI murmur. Pre-anesthetic evaluation. Receiving enalapril 2.5 mg SID. Sedated for exam with butorphanol.

DATE

12/28/21

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

PERFORMED BY:

Shari Reffi, CVT

INTERPRETED BY

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

Left atrial size is normal. The mitral valve leaflets are mildly thickened and exhibit mild systolic prolapse. A mild to moderate jet of eccentric mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. 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.

LA - 28.0 mm  
LVIDd - 26.4 mm  
LVIDs - 12.6 mm  
FS - 48.4%  
LVOT - 1.40 m/s  
RVOT - 1.00 m/s

PATIENT

Buddy Reale

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

SPECIES

Canine

This examination demonstrates mild to moderate regurgitation of blood across Buddy's mitral valve resulting from degenerative valve disease. The hemodynamic effects of the regurgitation appear to be mild, as Buddy does not have secondary dilation of either of his left heart chambers, and his left ventricular systolic function is well-preserved. As such, Buddy'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 low.

BREED

Mixed

SEX

Buddy'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.

MN

AGE

No therapy has been proven to be beneficial at this stage of Buddy's mitral valve disease.

10 y

A recheck echocardiogram is recommended in 6 months to monitor for disease progression.

WEIGHT

14.8 lb

HOSPITAL NAME

Tranquility VC

REFERRING VET

Dr. Christensen



DATE

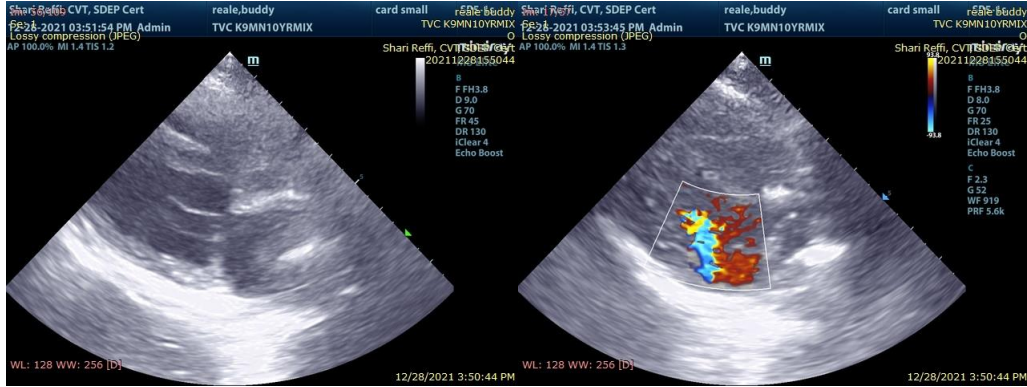
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

Buddy Reale

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.

Keith Blass, DVM, MS, DACVIM (Cardiology)  
KeithBlass@gmail.com  
631-804-5754

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