



PRESENTING CLINICAL SIGNS

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

DATE

4/25/23

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Kelly Vazquez

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

There is borderline mild left atrial dilation. The mitral valve leaflets are mildly thickened, and a mild to moderate jet of eccentric mitral regurgitation is present. There is mild left ventricular dilation. Left ventricular systolic function. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and a mild jet of 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.

LA - 35.1 mm
LVIDd - 38.1 mm
LVIDs - 22.3 mm
FS - 33.6%
RA - 23.4 mm
LVOT - 1.35 m/s
RVOT - 0.78 m/s

PATIENT

Bentley Peterson

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease

SPECIES

Canine

This examination demonstrates regurgitation of blood across Bentley's mitral and tricuspid valves resulting from degenerative valve disease. Bentley'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 Bentley has mild to moderate mitral regurgitation present, with mild secondary dilation of his left ventricle and borderline mild dilation of his left atrium. As only borderline mild left atrial dilation is present, Bentley's current risk for the development of clinical signs secondary to his mitral valve disease, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be fairly low, though careful monitoring for these signs is recommended going forward.

BREED

Beagle

SEX

MN

Bentley'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%. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

AGE

7 y

I recommend starting Bentley on pimobendan (5 mg am, 2.5 mg pm), as this medication should help to slow the progression of his mitral valve disease, as well as decrease his risk for general anesthesia.

WEIGHT

32.8 lb

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

HOSPITAL NAME

Vetco Total Care

REFERRING VET

Dr. Mohammed



DATE

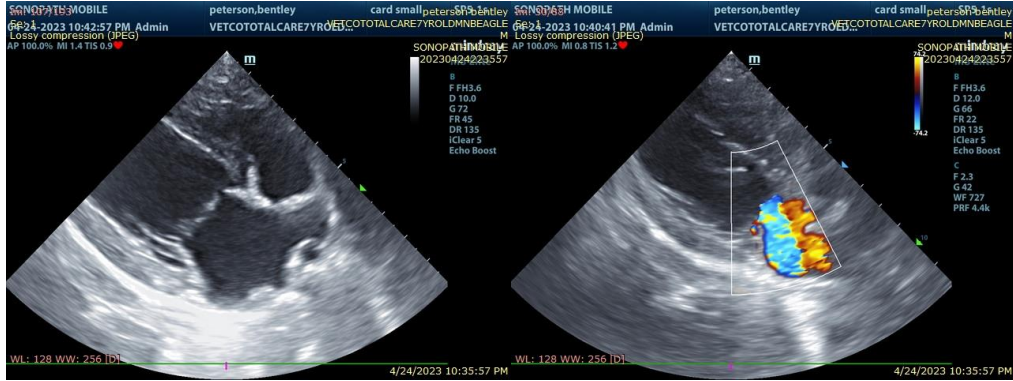
4/25/23

PERFORMED BY:

Kelly Vazquez

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)



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

Bentley Peterson

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

Canine

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

BREED

Beagle

SEX

MN

AGE

7 y

WEIGHT

32.8 lb

HOSPITAL NAME

Vetco Total Care

REFERRING VET

Dr. Mohammed