



PATIENT PRESENTING CLINICAL SIGNS

Brody Murphy History: Mild heart murmur noted on exam

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

Golden Retriever

SEX

Male

AGE

1 year

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The **mitral** valve was mildly thickened with slightly elongated anterior leaflet. Mitral insufficiency was noted.. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** was mildly increased, yet clinically insignificant. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. Trivial **tricuspid** insufficiency was noted at 2.0 m/sec. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

WEIGHT

80 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rodriguez

HOSPITAL NAME

Foxfield VS

| CANINE CARDIAC PARAMETERS | MR VMAX (m/s) | TR VMAX (m/s) | LA/AO (Boon method) | LA/AO (Heart Base; Swe) | FS (%) | EF (%) | EPSS (cm) |
|---------------------------|---------------|---------------|---------------------|-------------------------|---------------------------------|------------|------------|
| NORMAL PARAMETER | 4.5-5.5 | <2.7 | 1.3 | <1.6 | 28-40 | 40-100 | <0.6 |
| PATIENT | | 2.0 | 1.15 | | 30 | 71 | 0.1 |
| CANINE CARDIAC PARAMETERS | HR (BPM) | AV VMAX (m/s) | PV MAX (m/s) | BODY WEIGHT | LA 2D short axis Base view (cm) | LVIDd (cm) | LVIDs (cm) |
| NORMAL PARAMETER | 50-100 | 0.7-1.7 | 0.7-1.6 | | | | |
| PATIENT | | 2.1 | 1.0 | 80 lbs | | 3.0 | |

REFERRING VET

Dr. Rodriguez

ULTRASONOGRAPHIC FINDINGS

Trivial mitral insufficiency and minor, clinically insignificant increased LVOT velocity.

INVOICE

92700

DATE

10/27/21

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A recheck echocardiogram is recommended in a year or earlier if murmur grade increases. Examination of the history in this patient for possible episodes of endocarditis should be considered. However, the changes were minor. Very mild form of mitral dysplasia may be an issue in this patient.



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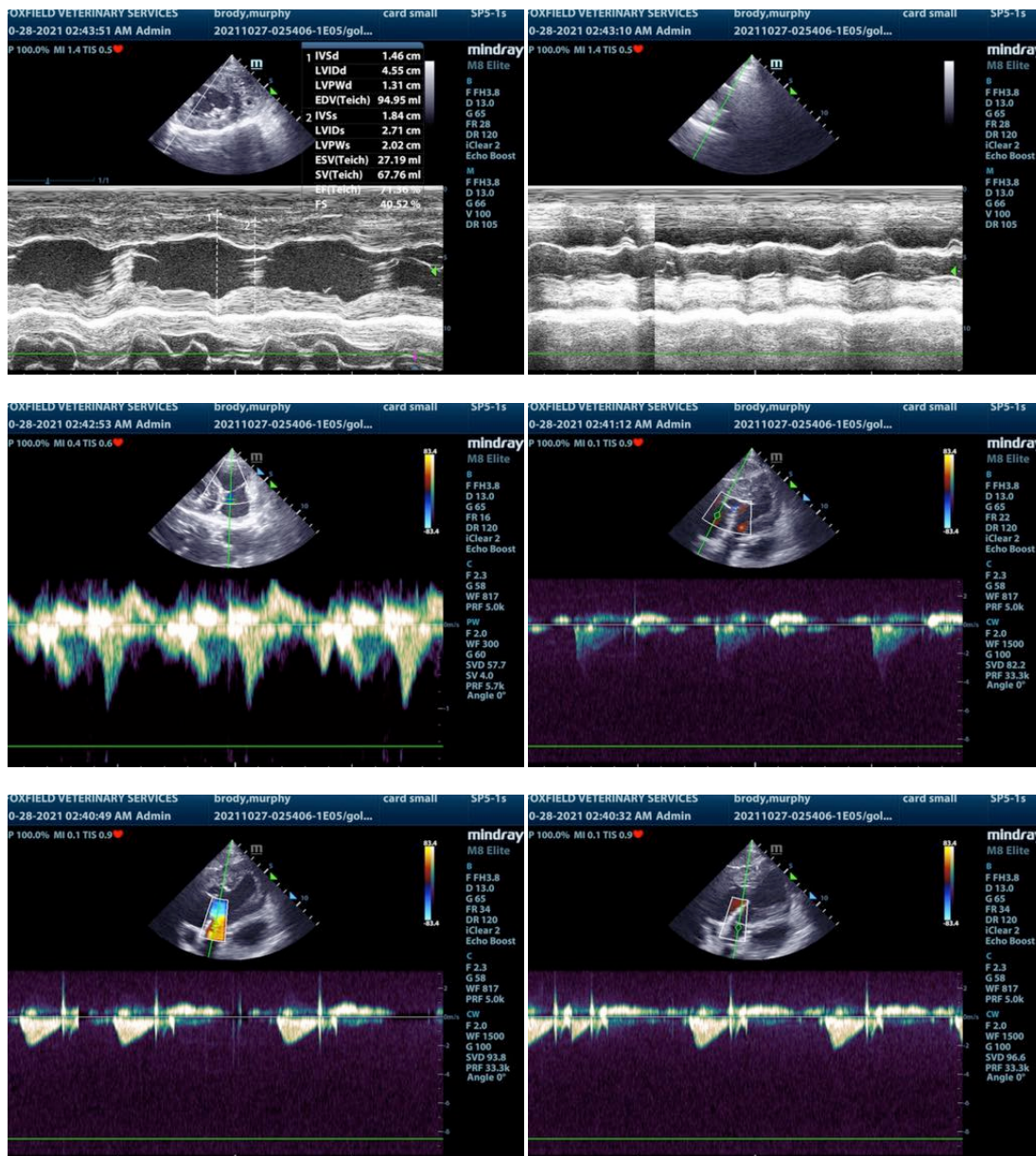
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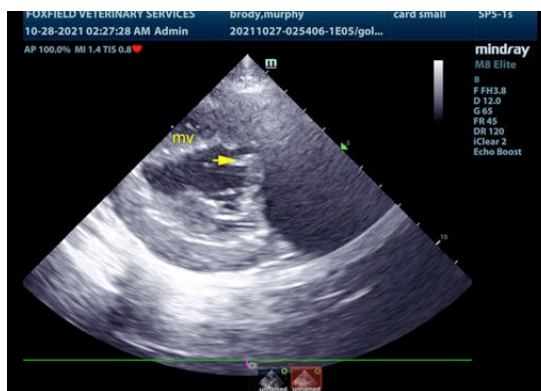
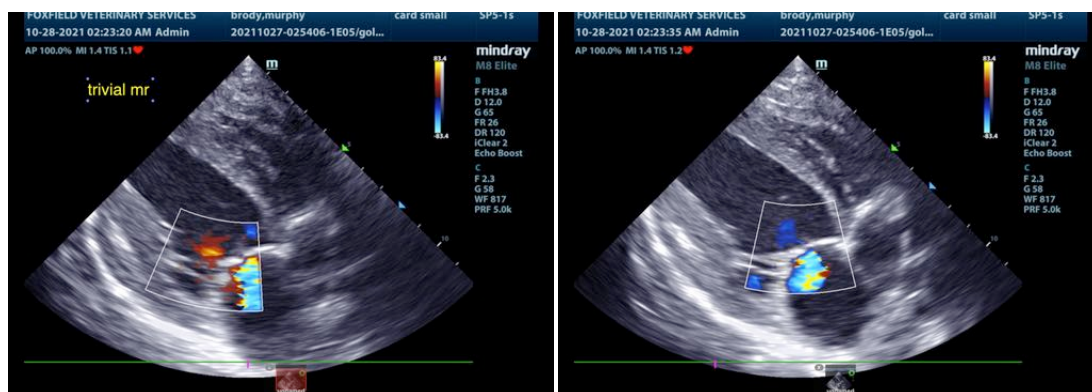
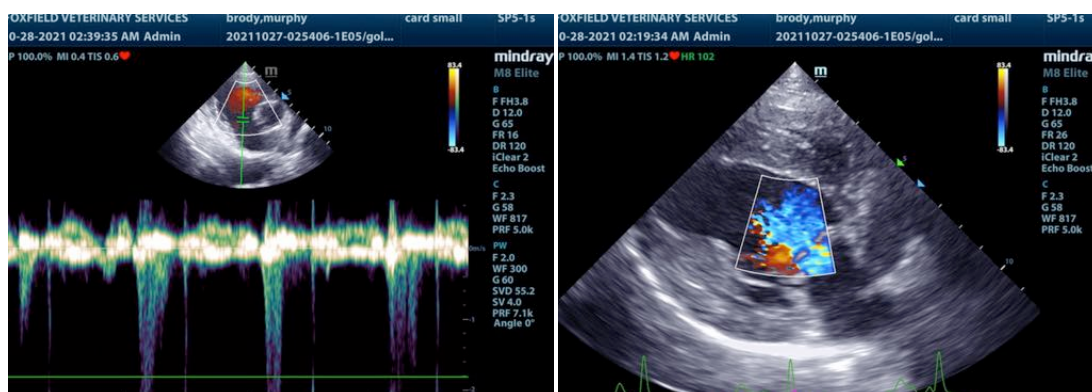
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
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