

PATIENT

Wobbles Goss

SPECIES

Canine

BREED

Chihuahua X

SEX

Neutered Male

AGE

12 Years

WEIGHT

30.7 Pounds

INTERPRETED BY

Laurent Locquet, DVM
MRCVS GPCert (VC)
Diplomate ECVIM-CA

IMAGING PERFORMED BY

Yvonna Aranda

HOSPITAL NAME

Four Corners VC

REFERRING VET

Dr. Dull

INVOICE

35561

DATE

11/18/25

PRESENTING CLINICAL SIGNS

History: Clinical Exam Findings: Grade 2-3/6 left sided systolic heart murmur, first heard 8/1/2023 as a Grade 1/6.

Abnormal PE/Chem/CBC/UA Results: ABNORMAL Labwork Values all WNL For ECHO Only: Blood Pressure 168/147 (158) 194/87 (157) 180/92 (156) 210/127 (140) average: 188/113 (153) HR/RR/BP: HR=110 bpm RR=40 rpm Is there a Heart Murmur? If so, please grade. Grade 2-3/6 Current Medications none.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

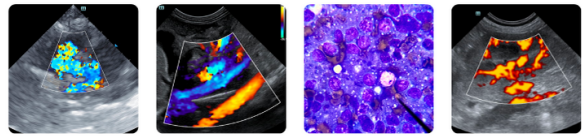
| CANINE CARDIAC PARAMETERS | MR VMAX (m/s) | TR VMAX (m/s) | LA/AO (M-Mode) | LA/AO (Heart Base; Swe) | FS (%) | EF (%) | EPSS (cm) |
|----------------------------------|----------------------|----------------------|-----------------------|--------------------------------|-----------------------------|---|---|
| NORMAL PARAMETER | 4.5-5.5 | <2.7 | 1.3 | Up to 1.6 | 28-40 | 40-100 | <0.6 |
| PATIENT | 5.60 | 2.59 | 1.55 | 1.55 | 46 | 79 | 0.25 |
| CANINE CARDIAC PARAMETERS | HR (BPM) | AV VMAX (m/s) | PV MAX (m/s) | BODY WEIGHT (kg) | LAD LA MAX 4 Chamber | LVIDd Avg; 2D and m-mode short axis (cm) | LVIDs Avg; 2D and m-mode short axis (cm) |
| NORMAL PARAMETER | 50-100 | 0.7-1.7 | 0.7-1.6 | | | | |
| PATIENT | -- | 1.89 | 0.86 | -- | 3.20 | 3.71 | 1.98 |

ECG Interpretation

Every p-wave was followed by a qrs complex. Every qrs complex was preceded by a p-wave. The qrs complexes are normal and regular. Heart rhythm was regular. The heart rate was approximately 100 b/p/m.

Cardiac Presentation

The mitral valve leaflets are mildly thickened with severe mitral regurgitation posteriorly directed. There is no prolapse of the mitral valve leaflet. The left atrial size is normal. Left ventricular internal dimensions during diastole are within normal limits and systolic function is preserved in the face of mitral regurgitation. There is normal right atrial size with mild tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension based upon tricuspid regurgitant velocities. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology and the corresponding outflow



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velocities are within normal limits. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Degenerative valve disease, ACVIM stage B-1 with severe tricuspid regurgitation

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

For the mitral valve disease, no medications are necessary. Annual recheck is recommended.

From a cardiovascular point of view, the general anesthetic risk is currently only mildly increased. Overzealous fluid therapy should be avoided, maximum 1x maintenance. Keep an eye on the breathing pattern- should be <30 br/p/m. Avoid alpha 2 agonists. Consider 0.2 mg/kg of midazolam, + 0.3 mg/kg butorphanol, + alfaxalone to affect.



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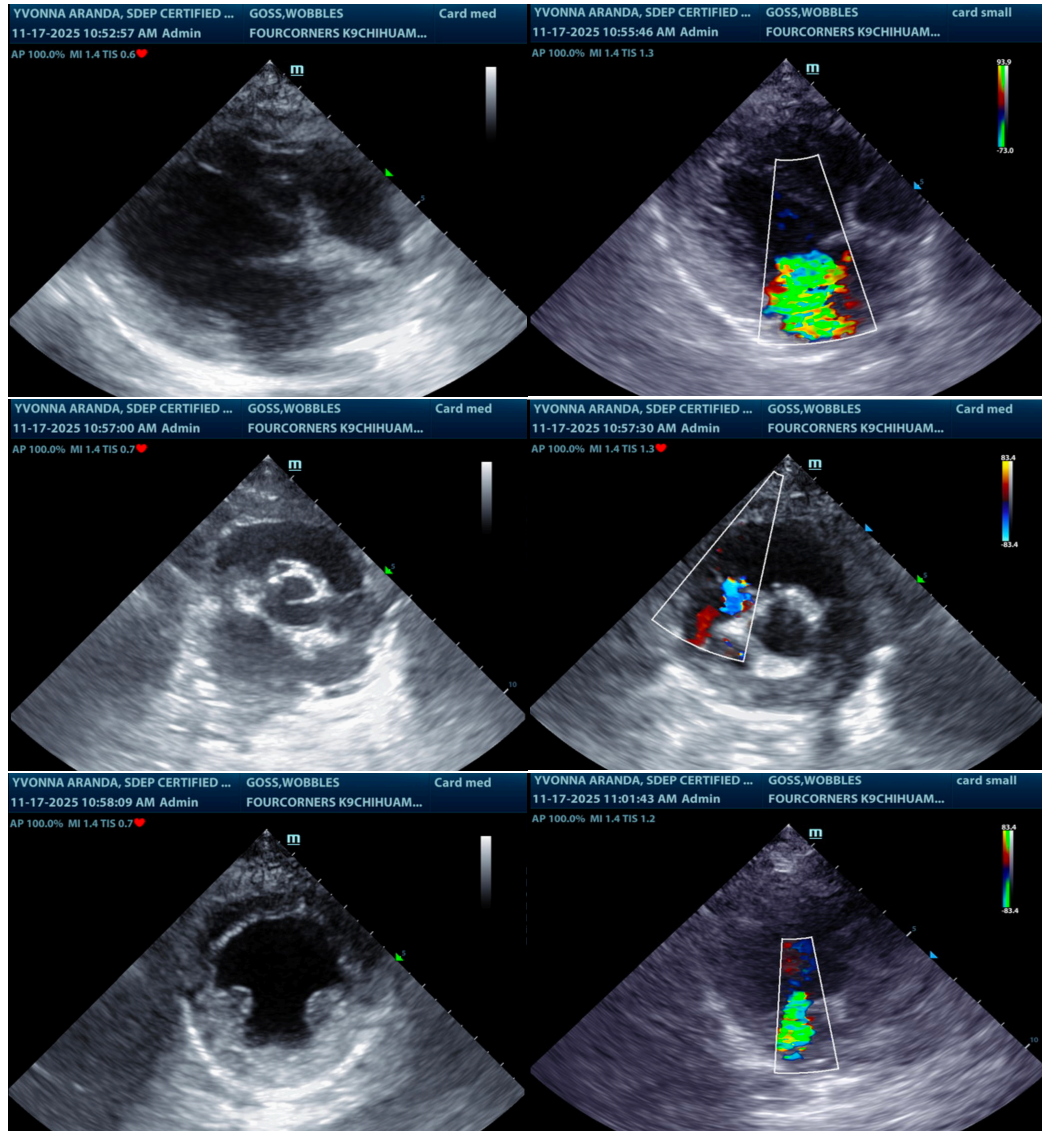
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Laurent Locquet, DVM MRCVS GPCert (VC) Diplomate ECVIM-CA

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