



PATIENT

Rocky Bacopulos

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered Male

AGE

12

WEIGHT

11

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Sang K. Han

HOSPITAL NAME

Oso Pet Care Center

REFERRING VET

Dr. Sang K. Han

INVOICE

35053

DATE

12/22/25

PRESENTING CLINICAL SIGNS

History: Pet is presenting for a cough- has been going on for the last few months but has progressively gotten worse pet is hacking e/d normally, no v/d, no changes in energy.

Abnormal PE/Chem/CBC/UA Results: CV: clear heart sounds bilaterally. Grade 3/6 left systolic murmur noted (PMI=mitral valve). No arrhythmias noted. SSFP. Resp: mild wheezes in all quadrants, no crackles, stertor or stridor. Mildly increased inspiratory effort. Abd: pot-bellied appearance, tense, reactive while palpating.

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 | 6.33 | 2.69 | 2.26 | 1.59 | 54 | 86 | 0.27 |
| CANINE CARDIAC PARAMETERS | HR (BPM) | AV VMAX (m/s) | PV MAX (m/s) | BODY WEIGHT | 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 | -- | NM | 1.35 | 11 | 1.86 | 2.65 | 1.22 |

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 moderate 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 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



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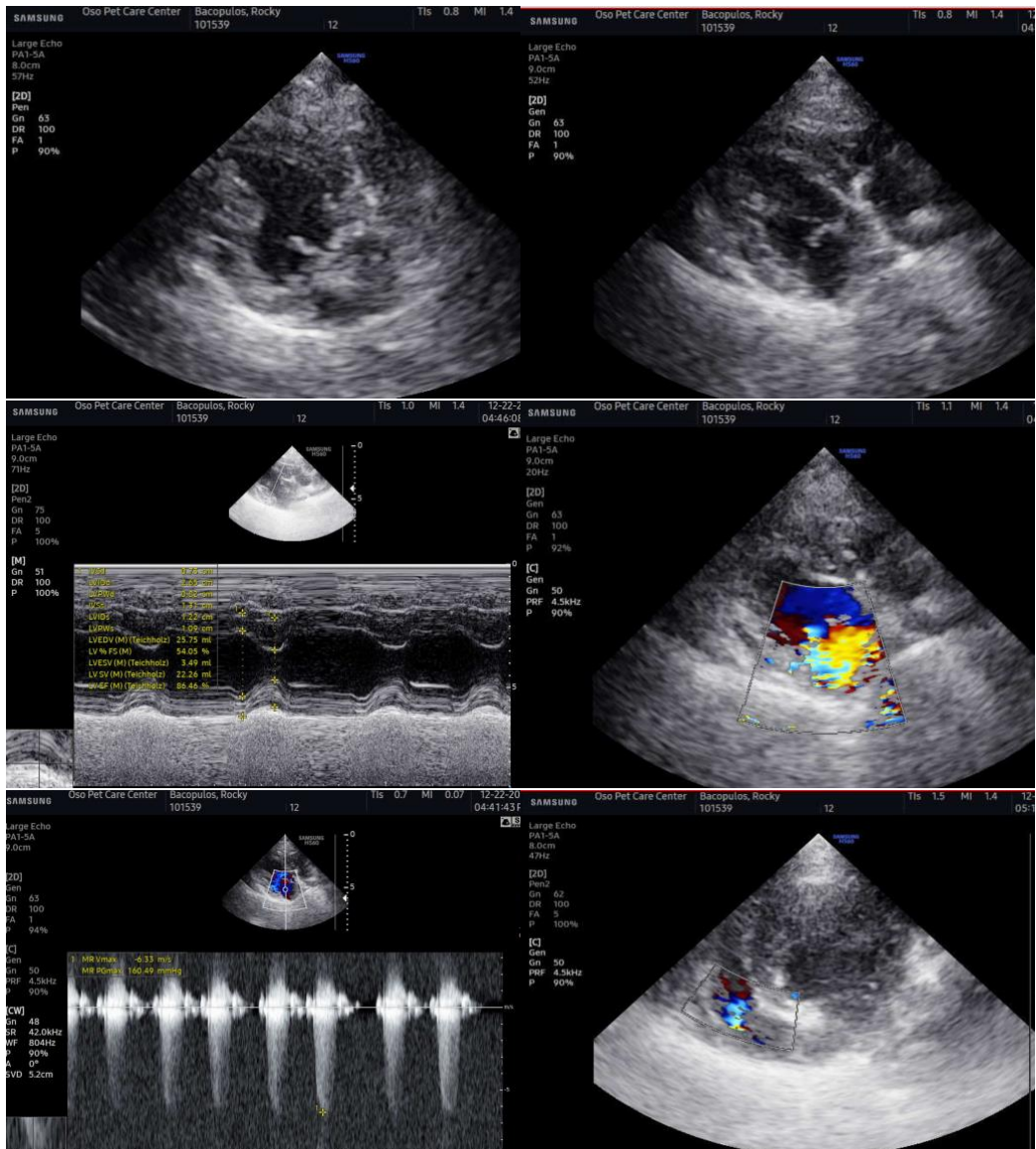
DATE

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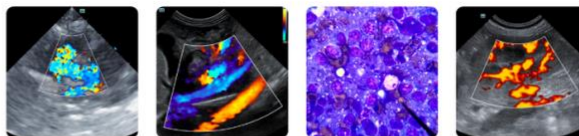
- Degenerative valve disease ACVIM stage B-1
- Severe mitral regurgitation
- Moderate tricuspid regurgitation

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The cough is not cardiogenic based on these images. Annual recheck is recommended. No medication is necessary.



The information and recommendations provided are based on the images presented by the



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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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