



PATIENT

Sampson White

SPECIES

Canine

BREED

Labradoodle

SEX

Male Neutered

AGE

13 years

WEIGHT

53.2lbs

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage B2. Presently, doing well with no clinical issues. BP: 145, 149, 158mmHg.

-Pertinent previous echo findings (9/2/21 MML): LA 4.0 cm, LA:Ao 1.8, LV 4.8 cm, moderate LAE, moderate MR, mild TR (2.3 m/s). On Pimobendan 5mg, 1.5 tabs AM, 1-tab PM.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.

Left ventricle: The LV diameter is moderately dilated with adequate myocardial function. LV wall thicknesses are normal.

Left atrium: The left atrium is severely dilated.

Mitral valve: The mitral valve is diffusely thickened with no prolapse into the left atrial lumen. Severe anterior-directed mitral regurgitation with a normal velocity.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. No aortic insufficiency.

Right ventricle: The RV is mildly enlarged.

Right atrium: The RA is mildly enlarged.

Tricuspid valve: The tricuspid valve appears mildly thickened with mild tricuspid regurgitation. Velocity consistent with early pulmonary hypertension.

Pulmonic valve/Pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow.

Pericardium/other: No pericardial or pleural effusion noted. No obvious cardiac masses.
Heart rhythm: ECG reveals a sinus rhythm with an average HR of 90bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

| | |
|--------------------|-----|
| Ao diam (cm) | 2.2 |
| LA diam (cm) | 4.7 |
| LA:Ao (Swe) | 2.2 |
| IVS thickness (cm) | 0.9 |
| LVID diastole (cm) | 5.2 |
| PW thickness (cm) | 0.9 |
| LVID systole (cm) | 3.3 |
| FS (%) | 37 |

Doppler Measurements

| | |
|----------------|-----|
| PV Vmax (m/s) | 0.9 |
| AoV Vmax (m/s) | 1.8 |
| MR Vmax (m/s) | 6.3 |
| TR Vmax (m/s) | 3.0 |
| TR PG (mmHg) | 37 |

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Norfolk County
Veterinary Services

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease persists with continued progression. Moderate disease is now severe with increasing left and right heart enlargement. Mild pulmonary hypertension has developed, which is likely secondary to chronic LA pressure. No additional issues are identified.

REFERRING VET

Dr. Richards

Even without symptoms reported, addition of an ACE-I and Spironolactone is recommended for long-term benefit. Close monitoring at home is recommended.

INVOICE

30609

Prognosis is guarded at this stage (late B2), with risk for spontaneous CHF, development of arrhythmias, LA tear and/or sudden death going forward.

DATE

5/4/23



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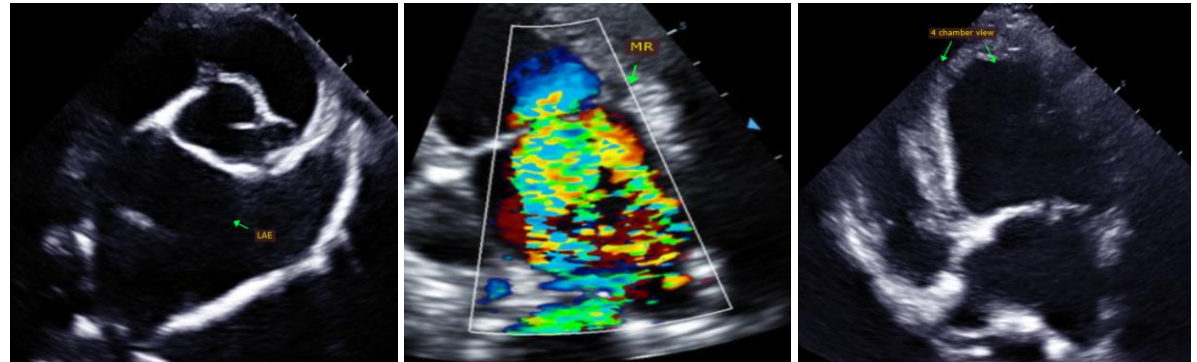
RECOMMENDATIONS

- Continue Pimobendan 0.2-0.3mg/kg PO q12h.
- Institute ACE-I 0.5mg/kg PO q12h.
- Institute Spironolactone 1-2mg/kg PO q12h.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- Elective anesthesia is not advised.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes. Monitoring of sleeping breathing rates is recommended to screen for CHF at home.

PLAN

- Monitor renal values and BP every 3-4 months lifelong.
- Recommend conservative monitoring with a recheck echocardiogram in 6 months, sooner if any development of clinical signs.

IMAGES



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. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

Maggie Machen Lamy, DVM
 Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
 info@sonopath.com

Echocardiogram performed by: Pamela Harrigan, RDCS
 Pet Animal Ultrasound Service (4paus.com)

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