



PATIENT

Dunmore Pray

SPECIES

Canine

BREED

Golden Retriever

SEX

Male Neutered

AGE

4 years

WEIGHT

96lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING

PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary
Services

REFERRING VET

Dr. Masloski

INVOICE

25441

DATE

7/20/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. History mild subaortic stenosis (SAS). Current presentation: Dunmore is doing very well at home with a good appetite, normal activity. On exam: NSR, grade II/VI murmur with PMI left apical area, PSS, lung fields clear. BP: 140mmHg x 5. Medications: 1) Cosequin daily 2) Fish oil daily *No sedation for study.
-Pertinent previous echo findings (3/24/21 Maggie Machen Lamy, DVM, DACVIM-Cardiology): LA 3.6 cm; LA:Ao1.2; LV 4.8 cm; normal LA size; normal LV wall thicknesses; sub-aortic narrowing (2.06 m/s); mild AI.

ECHOCARDIOGRAM FINDINGS

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

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

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve is normal with no prolapse into the left atrial lumen. No mitral regurgitation.

Aortic valve/Aorta: The aortic valve appears trileaflet with normal mobility. Mildly elevated aortic outflow velocity. A sub-aortic narrowing can be seen below the valve. Mild aortic insufficiency. Dilated ascending aortic segment.

Right ventricle: Normal right ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension.

Right atrium: Normal RA dimension.

Tricuspid valve: The tricuspid valve appears normal with trivial tricuspid regurgitation.

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 100bpm.

2-Dimensional Measurements

Ao diam (cm)	3.0
LA diam (cm)	3.2
LA:Ao (Swe)	1.1
IVS thickness (cm)	1.2
LVID diastole (cm)	5.1
PW thickness (cm)	1.2
LVID systole (cm)	3.3
FS (%)	35

Doppler Measurements

PV Vmax (m/s)	1.1
AoV Vmax (m/s)	2.2
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Subaortic stenosis (SAS) persists without evidence of progression. Despite what appears to be a significant narrowing, the velocity through the region is only mildly elevated. The aortic leak is unchanged, and no additional issues are identified in this study.

Given these findings, no medications are warranted. Prognosis is open long term.



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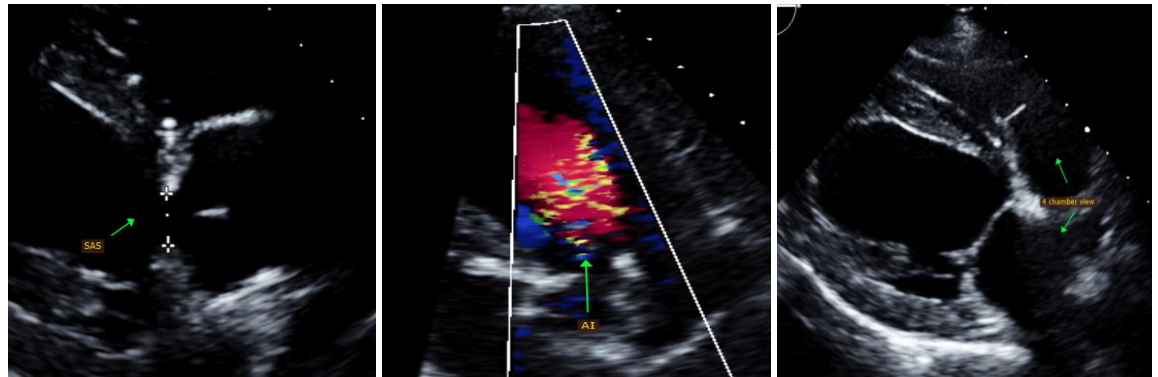
RECOMMENDATIONS

- No cardiac medications are clearly indicated.
- Monitor for development of labored breathing, exercise intolerance or collapse episodes, as SAS patients are more predisposed to development of arrhythmias than to CHF.
- Mild exercise restriction is advised lifelong.
- Omega fatty acid supplementation (1000mg 1-2x daily) may be of some long-term benefit for dogs predisposed to arrhythmias.
- If needed, anesthetic risk is mildly elevated. Avoid heart rate stimulating drugs such as atropine or glycopyrrolate unless clinically indicated. Avoid ketamine and acepromazine due to peripheral vascular effects. Mild IV fluid restriction is advised. Recommend prophylactic antibiotics prior to and during any orthopedic or dental procedure in the future given predisposition to endocarditis.

PLAN

- Recommend recheck echocardiogram annually, sooner if any clinical signs arise.

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