


PRESENTING CLINICAL SIGNS

History: New grade 1-2/6 murmur.

DATE

5/5/23

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Rebekah Jakum

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

Left atrial size is normal. The mitral valve appears normal, though trace mitral regurgitation is present. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is normal. The left ventricular outflow tract, aorta, and aortic valve appear normal, though there is mildly increased flow velocity in this region, as well as trace aortic insufficiency. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though very mild tricuspid regurgitation is present. TR velocity is consistent with the presence of very mild pulmonary hypertension (PG 32.5 mmHg). The pulmonary artery and pulmonic valve appear normal, though trace pulmonic insufficiency is present. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

PATIENT

Charley Snyder

SPECIES

Canine

 LA - 30.6 mm
 IVSd - 8.9 mm
 LVPWd - 8.0 mm
 LVIDd - 33.0 mm
 LVIDs - 20.8 mm
 FS - 37%
 RA - 21.1 mm
 LVOT - 2.69 m/s
 RVOT - 1.42 m/s
 TR - 2.85 m/s

ASSESSMENT/RECOMMENDATIONS
BREED

Golden Retriever

This examination demonstrates the presence of mildly increased flow velocity in Charley's left ventricular outflow tract/aorta. While no lesions are visualized via 2D imaging, this velocity is consistent with the presence of very mild subaortic stenosis (SAS). As Charley is already 13 months old and her stenosis is very mild, it's very unlikely that it will relevantly worsen over time, therefore, it's unlikely that the disease will become hemodynamically or clinically relevant.

SEX

F

Also seen in this exam is very mild regurgitation of blood across Charley's tricuspid valve, which, given her age, is likely due to the presence of mild valvular dysplasia. The hemodynamic effects of the regurgitation are negligible at present, though careful monitoring for progression is recommended.

AGE

13 mo

Charley's tricuspid regurgitation velocity is consistent with the presence of very mild pulmonary hypertension. Very mild pulmonary hypertension is well-tolerated in dogs, though careful monitoring for progression is recommended.

WEIGHT

56.5 lb

No therapy is recommended based on this exam. Given the presence of SAS, prophylactic antibiotic therapy is recommended any time there is a risk for systemic bacteremia (ex. wound, surgery, dental, infection), as SAS is associated with a higher risk for the development of aortic valve endocarditis.

HOSPITAL NAME

Alburtis AH

A recheck echocardiogram is recommended in 6-9 months to monitor for disease progression.

REFERRING VET

Dr. Smith



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PATIENT

Charley Snyder

SPECIES

Canine

BREED

Golden Retriever

SEX

F

AGE

13 mo

WEIGHT

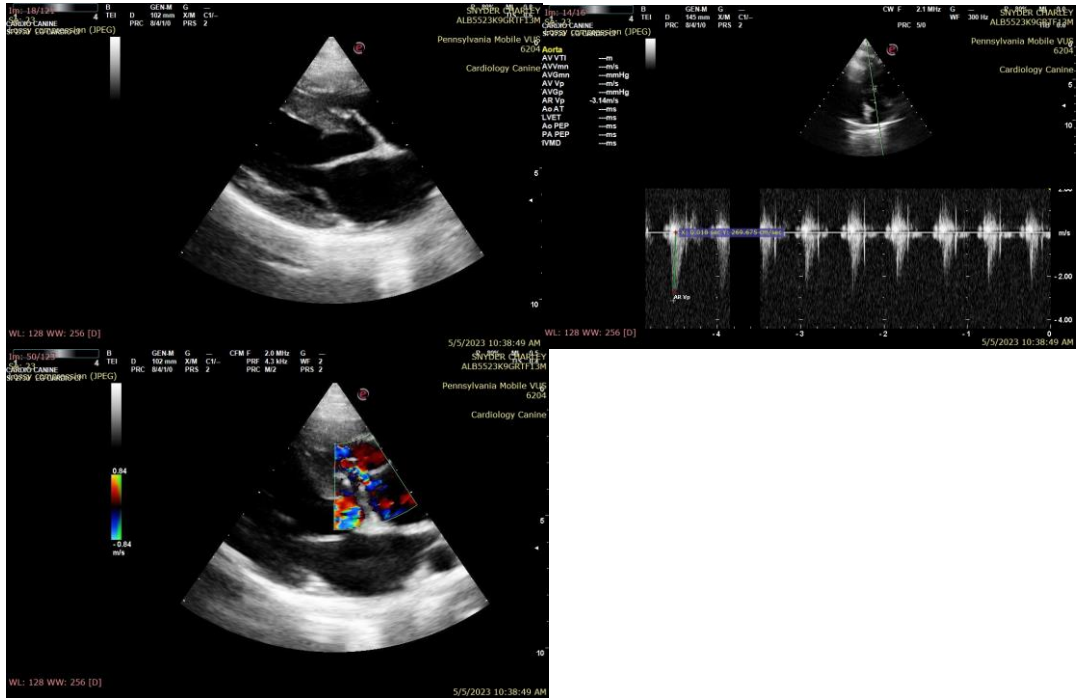
56.5 lb

HOSPITAL NAME

Alburtis AH

REFERRING VET

Dr. Smith



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.

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