


PRESENTING CLINICAL SIGNS

History: Pre-surgical ECG showed a right bundle branch block.

DATE

10/13/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Kelly Vazquez

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

Left atrial size is normal. The mitral valve leaflets are mildly thickened, and a mild jet of mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and a mild jet of tricuspid regurgitation is present. TR velocity does not suggest the presence of pulmonary hypertension. 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.

 LA - 27.0 mm
 LVIDd - 25.2 mm
 LVIDs - 14.8 mm
 FS - 41%
 RA - 20.3 mm
 LVOT - 1.94 m/s
 RVOT - 1.40 m/s
 TR - 2.00 m/s

PATIENT

Biscuit Hackett

ASSESSMENT/RECOMMENDATIONS
SPECIES

Degenerative mitral and tricuspid valve disease

Canine

This examination demonstrates mild regurgitation of blood across Biscuit's mitral and tricuspid valves resulting from degenerative valve disease. The hemodynamic effects of each of the regurgitations also appear to be mild, as Biscuit does not have secondary dilation of any of her cardiac chambers. As such, Biscuit's valvular diseases appear to be well-compensated, and her current risk for the development of clinical signs secondary to them, such as coughing, exercise intolerance, syncope, labored breathing, and abdominal distension appears to be low.

BREED
JRT
SEX
FS

Right bundle branch block is well-tolerated in dogs, however, if a concurrent left bundle branch block were to develop, complete (third-degree) AV block would then be present, therefore, careful monitoring of Biscuit's heart rhythm is recommended going forward.

No therapy is recommended at this stage of Biscuit's valvular diseases.

AGE
14 y

Biscuit's cardiovascular risk for general anesthesia is mildly increased based on this exam, therefore, some precautions should be taken in order to minimize this risk. I recommend avoiding the use of alpha-2 agonists in the anesthetic protocol, as well as reducing the IV fluid rate by 25%. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

WEIGHT
18.6 lb

A recheck echocardiogram and ECG are recommended in ~6 months to monitor for disease progression.

HOSPITAL NAME

Legacy AH

REFERRING VET

Dr. Pontenzone



DATE

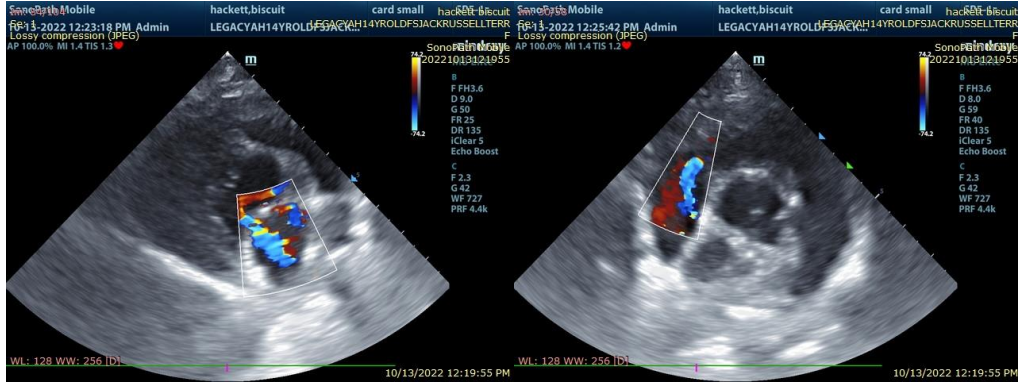
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

Biscuit Hackett

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.

SPECIES

Canine

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631-804-5754

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