


PRESENTING CLINICAL SIGNS

 History: Grade 4-5/6 murmur, louder on right. Asymptomatic. Pre-anesthetic evaluation (dental).
 BP WNL.

DATE

5/2/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Sarah Pender, CVT

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

Left atrial size is normal. The mitral valve is normal. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. There is moderate right atrial and mild right ventricular dilation. The tricuspid valve leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation present. TR velocity does not suggest the presence of pulmonary hypertension. The pulmonic valve appears normal, though mild pulmonic insufficiency is present. There is dilation of the main pulmonary artery and right main branch pulmonary artery. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

PATIENT

Bazooka Sparrow

SPECIES

Feline

 LA - 11.0 mm
 IVSd - 2.9 mm
 LVPWd - 3.3 mm
 LVIDd - 13.3 mm
 LVIDs - 4.4 mm
 FS - 66.9%
 RA - 15.1 mm
 RVIDd - 11.2 mm
 LVOT - 1.13 m/s
 RVOT - 1.60 m/s
 TR - 2.28 m/s

BREED
ASSESSMENT/RECOMMENDATIONS
DSH

This examination demonstrates regurgitation of blood across Bazooka's tricuspid valve, which is likely due to the presence of valvular dysplasia if her murmur has been present for some time. The measured velocity of Bazooka's regurgitation is not consistent with the presence of pulmonary hypertension, however, the interrogation beam in the images used to measure her TR velocity are not parallel to flow, therefore, it's possible that Bazooka's TR velocity could be underestimated, as the presence of dilation of Bazooka's main and right main branch pulmonary arteries suggest that some degree of pulmonary hypertension may be present. Secondary to Bazooka's tricuspid regurgitation (and possibly pulmonary hypertension if present), Bazooka has moderate dilation of her right atrium and mild dilation of her right ventricle. Given this Bazooka is at risk for the development of right-sided congestive heart failure (peritoneal and/or pleural effusion and/or peripheral edema), as well as pulmonary thromboembolism, syncope and arrhythmia formation, and careful monitoring for the development of clinical signs associated with these conditions is recommended.

SEX
FS
AGE

4 y

WEIGHT

8.14 lb

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Fishbaugher

I recommend starting Bazooka on enalapril (1.25 mg BID) and clopidogrel (18.75 mg SID), as the former may help to slow the progression of her cardiac disease, while the latter will help to decrease her risk for cardiac thrombus formation.



A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 6-9 months. Thoracic/abdominal radiographs are recommended if clinical signs compatible with congestive heart failure develop.

DATE

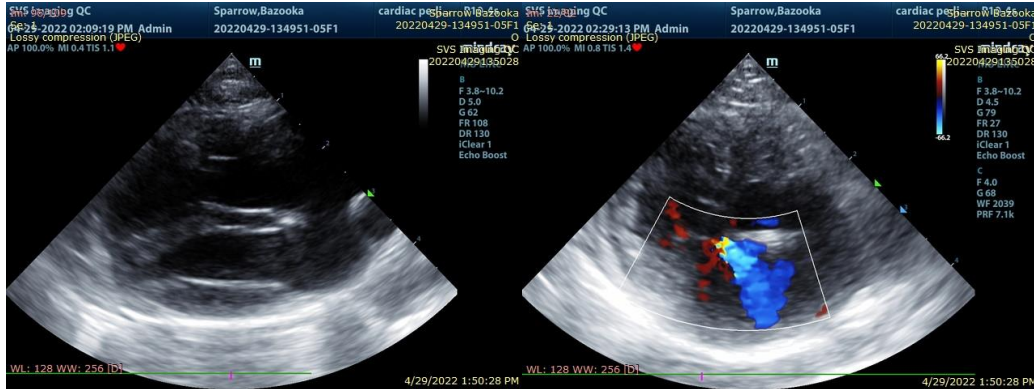
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PATIENT

Bazooka Sparrow

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.

SPECIES

Feline

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631-804-5754

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