



RESENTING CLINICAL SIGNS

DATE History: Lethargy, inappetence, shaking when resting, diarrhea. VHS 15.0. Decreased heart sounds.

4/1/22

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 leaflets are mildly thickened, and a mild jet of eccentric mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve appear normal, though trace aortic insufficiency is present. 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 are normal. No shunting lesions are visualized. There is an ~3.76 cm x 3.28 cm homogeneous mass at the heart base adjacent to the aortic root. No pericardial effusion is seen.

PATIENT

Cleo Williams

LA - 39.7 mm
LVIDd - 40.7 mm
LVIDs - 28.0 mm
FS - 31.2%
RA - 27.4 mm
LVOT - 1.05 m/s
RVOT - 0.59 m/s
TR - 2.37 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease
Heart base mass

BREED

Staffordshire Terrier
Mix

This examination demonstrates regurgitation of blood across Cleo's mitral and tricuspid valves resulting from degenerative valve disease. The hemodynamic effects of each of the regurgitations appear to be mild, as Cleo does not have secondary dilation of any of her cardiac chamber chambers. As such, Cleo's valvular diseases appear to be well-compensated, and they do not appear to be contributing to her current clinical signs.

SEX

FS

Also seen in this exam is a mass located at Cleo's heart base. While a biopsy would be required to determine the etiology of the mass, this location, especially in Cleo's breed, is overrepresented by chemodectoma. This tumor type, if present, is uncommon to metastasize, though can on occasion, and can also bleed into the pericardial space and/or obstruct blood flow in a great vessel. At present, Cleo's mass appears to be incidental, and is unlikely to be contributing to her clinical signs.

AGE

10 y

An abdominal ultrasound is recommended to evaluate for the presence of metastatic disease.

WEIGHT

41 lb

No therapy is recommended for Cleo's valvular diseases at this time. Referral to an oncologist can be considered to determine whether chemotherapy and/or radiation therapy could potential be beneficial treatment options for Cleo's heart base mass.

HOSPITAL NAME

SVS Imaging QC

A recheck echocardiogram is recommended in 6 months, sooner if clinical signs compatible with the presence of pericardial effusion (ex. weakness, collapse, vomiting, coughing, labored breathing) develop.

REFERRING VET

Dr. Ruther



DATE

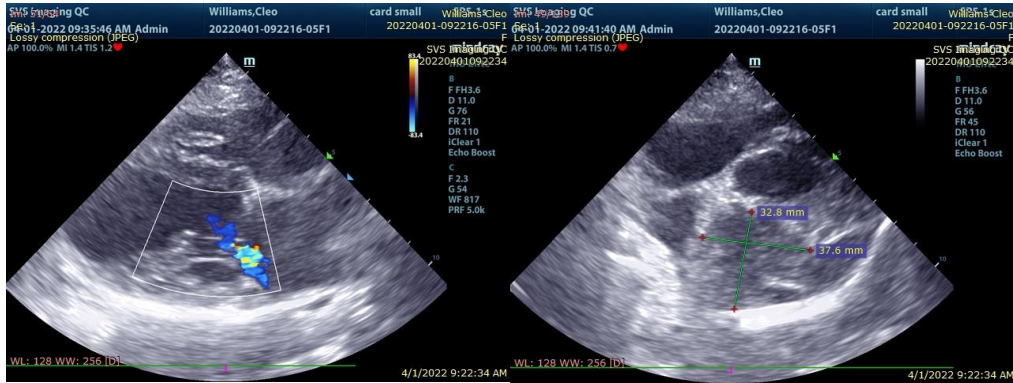
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PATIENT

Cleo Williams

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

Keith Blass, DVM, MS, DACVIM (Cardiology)
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Canine

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