


PRESENTING CLINICAL SIGNS

History: Experienced a sudden collapsing episode recently. No murmur.

DATE

2/17/23

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Shari Reffi, CVT

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

Left atrial size is normal. The mitral valve leaflets are mildly thickened and exhibit mild systolic prolapse. There is Doppler evidence of mitral regurgitation present. Left ventricular dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation present. TR velocity is consistent with the presence of very mild pulmonary hypertension (PG 33.4 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

Oliver Kovacs

 LA - 25.0 mm
 LVIDd - 26.4 mm
 LVIDs - 14.0 mm
 FS - 47%
 RA - 18.9 mm
 LVOT - 0.95 m/s
 RVOT - 0.59 m/s
 TR - 2.89 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

 Degenerative mitral and tricuspid valve disease
 Pulmonary hypertension

BREED
CKCS

This examination demonstrates regurgitation of blood across Oliver's mitral and tricuspid valves resulting from degenerative valve disease. The hemodynamic effects of each of the regurgitations appear to be mild, as Oliver does not have secondary dilation of any of his cardiac chambers. As such, Oliver's valvular diseases appear to be well-compensated, and they do not appear to be advanced enough to be the cause of his collapsing episode.

SEX
MN
AGE

13 y

Oliver's tricuspid regurgitation velocity is consistent with the presence of very mild pulmonary hypertension. Very mild pulmonary hypertension is well-tolerated in dogs, and it's very likely that Oliver's disease is the cause of his collapsing episode. While no reason for the episode is appreciated in this exam, consideration should be given to a vasovagal episode and intermittent arrhythmia as likely differentials.

No therapy is recommended at this stage of Oliver's valvular diseases or pulmonary hypertension.

WEIGHT

22 lb

An ECG and/or Holter/event monitor is recommended if Oliver experiences additional collapsing episodes. A recheck echocardiogram is recommended in ~6 months to monitor for progression of Oliver's valvular diseases.

HOSPITAL NAME

Basking Ridge AH

REFERRING VET

Dr. Hollo



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PATIENT

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WEIGHT

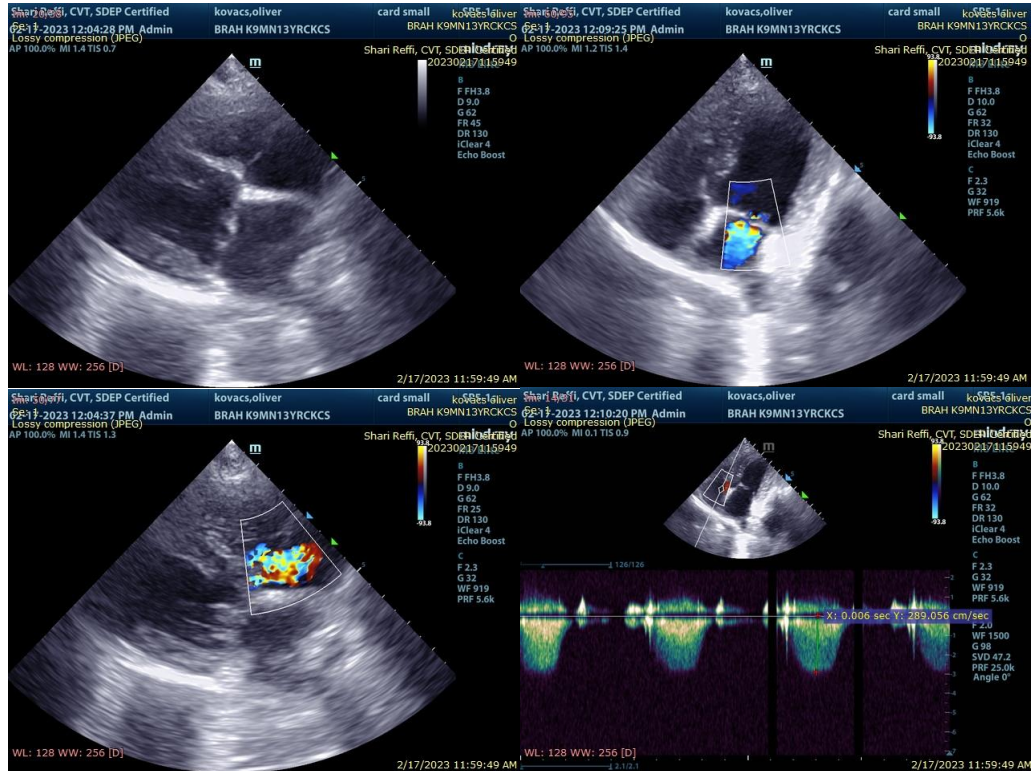
22 lb

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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.

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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