


PRESENTING CLINICAL SIGNS

DATE History: Previously diagnosed with degenerative valve disease. No current cardiac medications. History of collapsing trachea and mild exercise intolerance. Pre-anesthetic evaluation (dental).
 8/3/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Loetitia Saint-Jacques, RVT

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. A mild jet of eccentric mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve appear normal, though there is mildly increased flow velocity in the ascending aorta. 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. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus rhythm

PATIENT

Sammie Luttrell

SPECIES

Canine

LA - 22.7 mm
 LVIDd - 23.1 mm
 LVIDs - 12.4 mm
 FS - 46%
 RA - 14.6 mm
 LVOT - 1.32 m/s
 RVOT - 0.75 m/s
 TR - 2.69 m/s

ELECTROCARDIOGRAPHIC FINDINGS

A six lead ECG is submitted for review.

BREED

Chihuahua

HR: 80-171 bpm
 Rhythm: Sinus

SEX

FS

Normal sinus rhythm, sinus arrhythmia, and sinus tachycardia are all present in this recording. The MEA is normal. All complex amplitudes and intervals are within normal limits. No premature beats or conduction blocks are seen.

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease

AGE

12 y

This examination demonstrates no progression of Sammie's mitral valve disease over the past 10 months. As such, Sammie's mitral valve disease appears to be well-compensated, and it does not appear that her disease is contributing to her cough or exercise intolerance.

WEIGHT

8.2 lb

Sammie now also has mild regurgitation of blood across her tricuspid valve resulting from degenerative valve disease. The hemodynamic effects of the regurgitation are also mild, and Sammie's tricuspid valve disease is well-compensated.

HOSPITAL NAME

Grass Valley VH

Sammie's cardiovascular risk for general anesthesia is only mildly increased based on this exam, though I still recommend avoiding the use of alpha-2 agonists in the anesthetic protocol and reducing the IV fluid rate by 25% as precautions.

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

REFERRING VET

Dr. Cortright



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

DATE

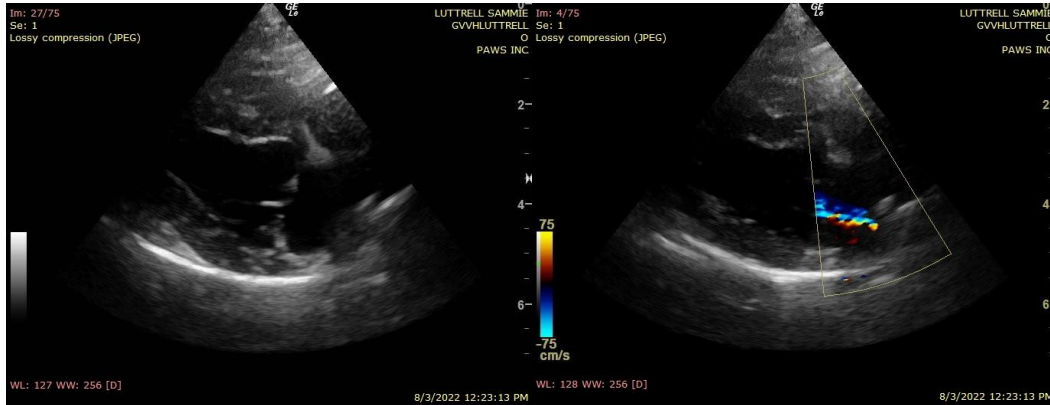
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PATIENT

Sammie Luttrell

SPECIES

Canine

Keith Blass, DVM, MS, DACVIM (Cardiology)
KeithBlass@gmail.com
631-804-5754

BREED

Chihuahua

SEX

FS

AGE

12 y

WEIGHT

8.2 lb

HOSPITAL NAME

Grass Valley VH

REFERRING VET

Dr. Cortright

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.