



PRESENTING CLINICAL SIGNS

DATE

1/16/23

History: Sedated with dexmedetomidine and butorphanol and Induced with ketamine/Valium for routine dental cleaning. When moved from R to L lateral recumbency, turned blue and a heart murmur developed on the right. Radiographs reveal atelectasis In R middle lung lobe. No murmur one hour later and radiographs Improved. ECG post-event showed mild R wave amplitude Increase.

ECHOCARDIOGRAPHIC FINDINGS

PERFORMED BY:

Jessica Miller

2D, M-mode, and Doppler study.

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

Left atrial size is normal. The mitral valve leaflets are very mildly thickened, and a very mild jet of eccentric 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 very mildly thickened, and a very mild jet of tricuspid regurgitation is present. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

PATIENT

Samuel Timko

LA - 22.4 mm
LVIDd - 21.8 mm
LVIDs - 10.0 mm
FS - 54%
RA - 13.9 mm
LVOT - 1.38 m/s
RVOT - 0.97 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease

BREED

Chihuahua

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

SEX

Samuel's transient heart murmur is likely due to a combination of variations in body position, heart rate, and cardiac contractility.

MN

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

AGE

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

6 y

WEIGHT

8.7 lb



HOSPITAL NAME

American AH

REFERRING VET

Dr. Vogel



DATE

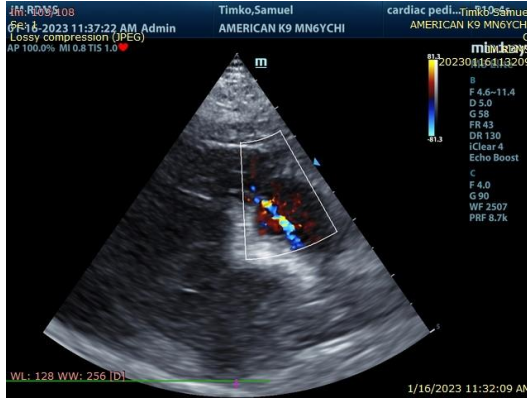
1/16/23

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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

Samuel Timko

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

BREED

Chihuahua

SEX

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