


PRESENTING CLINICAL SIGNS

DATE History: Cough, mild heart murmur. Radiograph taken last week suggestive of right heart enlargement, tracheal collapse, interstitial lung pattern. HW negative in July.
 12/8/21

ECHOCARDIOGRAPHIC FINDINGS

PERFORMED BY: 2D, M-mode, and Doppler study.

Dr. Meredith Swart Left atrial size is normal. The mitral valve appears normal. Left ventricular dimensions are normal, as is left ventricular systolic function. The aorta and aortic are normal. There is mild right atrial and right ventricular dilation. The tricuspid valve leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation present. TR velocity is consistent with the presence of moderate pulmonary hypertension. The pulmonary artery and pulmonic valve are normal. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

INTERPRETED BY

Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

LA - 19.5 mm
 LVIDd - 16.3 mm
 LVIDs - 9.5 mm
 FS - 41.7%
 RA - 21.7 mm
 LVOT - 0.77 m/s
 RVOT - 0.91 m/s
 TR - 3.72 m/s

PATIENT

Smiley Taylor

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative tricuspid valve disease
 Pulmonary hypertension

BREED

Chihuahua Mix

This examination demonstrates regurgitation of blood across Smiley's tricuspid valve resulting from degenerative valve disease, with the velocity of the regurgitation being consistent with the presence of moderate pulmonary hypertension. Given the absence of left-sided cardiac disease, there does not appear to be a cardiogenic contribution to Smiley's cough, and his pulmonary hypertension has very likely developed secondary to his tracheal collapse and/or a concurrent respiratory contributor to his cough.

SEX

MN

Secondary to the combination of tricuspid regurgitation and pulmonary hypertension, Smiley has mild dilation of both his right atrium and right ventricle. Patients with this degree of pulmonary hypertension are at risk for the development of right-sided congestive heart failure, as well as exercise intolerance and syncope, therefore, careful monitoring for these abnormalities is recommended.

AGE

13 y

Recommended therapy based on this exam is sildenafil (10 mg BID).

WEIGHT

16 lb

A recheck echocardiogram is recommended in 6 months, sooner if new clinical signs compatible with pulmonary hypertension or right-sided cardiac disease develop.

HOSPITAL NAME

Swart Veterinary
 Imaging

REFERRING VET

Dr. Swart



DATE

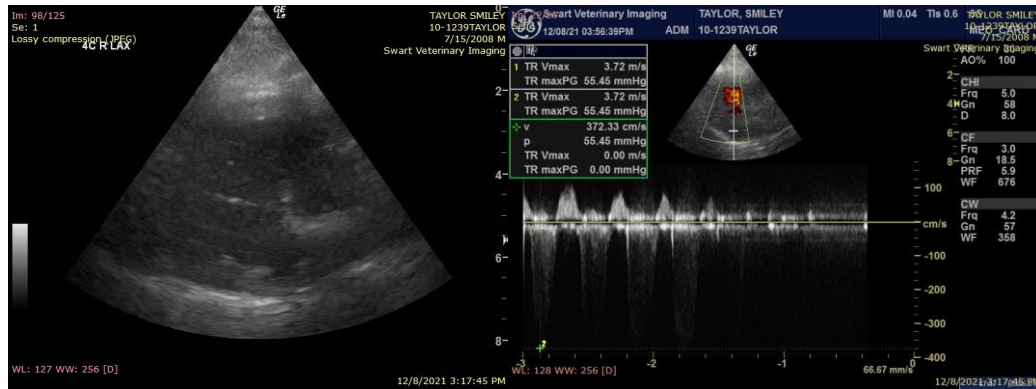
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PATIENT

Smiley Taylor

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

Canine

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BREED

Chihuahua Mix

SEX

MN

AGE

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WEIGHT

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