


PRESENTING CLINICAL SIGNS
DATE

1/11/23

History: Presented In mid-December with coughing and Increased respiratory rate. Was started on furosemide and pimobendan. Symptoms Improved, however, they returned when medications were stopped. Grade 3/6 murmur heart bilaterally. Radiographs show moderate generalized cardiomegaly and dynamic tracheal/mainstem bronchial collapse. BNP > 1500.

ECHOCARDIOGRAPHIC FINDINGS
PERFORMED BY:

2D, M-mode, and Doppler study.

Dr. Brian Barnes

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

There is mild to moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate jet of eccentric mitral regurgitation is present. There is mild to moderate left ventricular dilation. Left ventricular systolic function is hyperdynamic. 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 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 appear normal, though trace pulmonic insufficiency is present. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

PATIENT

ECG during echo: Sinus arrhythmia

Dino Withey

LA - 33.3 mm
 LVIDd - 32.9 mm
 LVIDs - 16.0 mm
 FS - 51.4%
 RA - 22.0 mm
 LVOT - 1.32 m/s
 RVOT - 0.97 m/s
 TR - 2.68 m/s

SPECIES

Canine

BREED

Chihuahua Mix

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease

SEX

MN

AGE

This examination demonstrates regurgitation of blood across Dino's mitral and tricuspid valves resulting from degenerative valve disease. Dino's tricuspid valve disease is mild, and appears to be well-compensated at this time. His mitral valve disease is more advanced, as Dino has moderate mitral regurgitation present, with mild to moderate secondary dilation of both his left atrium and left ventricle, though his left ventricular systolic function is well-preserved. Given the presence of moderate left atrial dilation, Dino is at risk for the development of left-sided congestive heart failure, therefore, it's likely that this was the cause of his previously increased respiratory rate, especially considering that his symptoms improved with cardiac therapy and returned when the medications were discontinued. Dino's radiographs suggest that tracheal/bronchial collapse is the cause of his cough, though a contribution from mainstem bronchial compression cannot be ruled out.

WEIGHT

6.84 kg

Recommended therapy based on this exam and Dino's previous episodes of increased respiratory rate/effort includes furosemide (10 mg BID), enalapril (2.5 mg BID), and pimobendan (2.5 mg am, 1.25 mg pm).

HOSPITAL NAME

Westview VH

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 9 months. Repeat radiographs are recommended any time clinical signs compatible with congestive heart failure develop.

REFERRING VET

Dr. Barnes



DATE

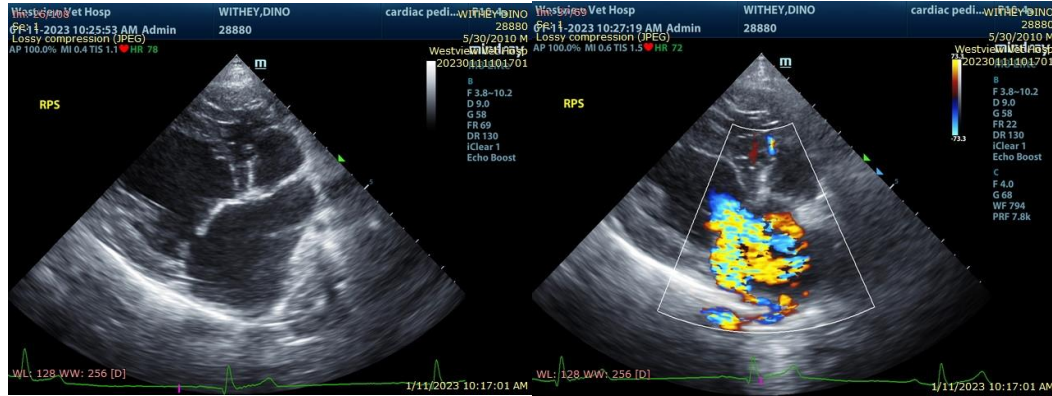
1/11/23

PERFORMED BY:

Dr. Brian Barnes

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)



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

Dino Withey

SPECIES

Canine

BREED

Chihuahua Mix

SEX

MN

AGE

WEIGHT

6.84 kg

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Barnes

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.

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