



PRESENTING CLINICAL SIGNS

DATE History: Presented ADR. Grade IV/VI murmur heard bilaterally. RR 40 bpm, no crackles. Intermittent dry cough. Abdomen distended, but no peritoneal effusion. Radiographs – marked cardiomegaly, pulmonary edema. Started on furosemide 20 mg BID, enalapril 5 mg SID, and Vetmedin 2.5 mg BID.

2/3/23

ECHOCARDIOGRAPHIC FINDINGS

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

Dr. Karen Ebersole

There is moderate to severe left atrial dilation. The mitral valve leaflets are thickened and exhibit mild systolic prolapse. There is Doppler evidence of mitral regurgitation present. There is moderate left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve appear normal, though there is mildly increased flow velocity in the ascending aorta, as well as mild aortic insufficiency. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and a mild jet of tricuspid regurgitation is present. 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.

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

PATIENT

Thermo Dynamics
Galasyn

LA – 40.6 mm
LVIDd – 36.5 mm
LVIDs – 16.3 mm
FS – 55%
RA – 16.9 mm
LVOT – 2.24 m/s
RVOT – 1.95 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease

BREED

Poodle Mix

This examination demonstrates regurgitation of blood across Thermo Dynamics' mitral valve resulting from degenerative valve disease. Secondary to his regurgitation, Thermo Dynamics has moderate to severe dilation of his left atrium and moderate dilation of his left ventricle, though his left ventricular systolic function is well-preserved. Given the severity of his disease, it's likely that mainstem bronchial compression is contributing to Thermo Dynamics' cough, and it comes as no surprise that his radiographs reportedly showed the presence of cardiogenic pulmonary edema. In addition to congestive heart failure, Thermo Dynamics is at risk for the development of exercise intolerance and syncope, therefore, careful monitoring for these is recommended.

SEX

MN

AGE

10 y

Thermo Dynamics' current medications are appropriate, though I recommend increasing his enalapril dose to 5 mg BID. I also recommend starting him on spironolactone (12.5 mg BID). As for his furosemide, the lowest effective dose to keep his respiratory rate/effort normal is recommended, and no change in the current dose is recommended if Thermo Dynamics is breathing normally.

WEIGHT

19.3 lb

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 6-9 months. Repeat thoracic radiographs are recommended any time Thermo Dynamics experiences respiratory clinical signs.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Chadbourne



DATE

2/3/23

PERFORMED BY:

Dr. Karen Ebersole

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

Thermo Dynamics
Galasyn

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

SPECIES

631-804-5754

Canine

BREED

Poodle Mix

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