


PRESENTING CLINICAL SIGNS

DATE History: Hacking cough when laying down that started ~10 days ago. Radiographs show mild cardiomegaly. Receiving insulin.

12/29/21

ECHOCARDIOGRAPHIC FINDINGS

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

Kelly Vazquez There is mild left atrial dilation. The mitral valve appears normal, though a centrally directed jet of mitral regurgitation is present. There is moderate left ventricular dilation. Left ventricular systolic function is moderately depressed. The aorta and aortic valve are normal. 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 are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

INTERPRETED BY

Keith Blass, DVM, MS, DACVIM (Cardiology)

LA - 51.3 mm
 LVIDd - 58.1 mm
 LVIDs - 47.6 mm
 FS - 18.0%
 RA - 34.0 mm
 LVOT - 1.07 m/s
 RVOT - 0.73 m/s
 TR - 1.67 m/s

PATIENT

Lola Noe

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Dilated cardiomyopathy (DCM)

BREED

Golden Retriever

This examination demonstrates moderate depression of Lola's left ventricular systolic function. It's possible that this could be due to the presence of a primary genetic-based form of DCM, however, consideration should also be given to the presence of a diet-associated cardiomyopathy (DCM) if Lola has been receiving a diet that has been linked to the development of myocardial dysfunction in dogs (ex. boutique brand, exotic meat source, grain-free). Secondary to her myocardial dysfunction, Lola has moderate dilation of her left ventricle and mild dilation of her left atrium. As only mild left atrial dilation is present, it's unclear if mainstem bronchial compression could be contributing to Lola's cough, and consideration should also be given to a respiratory cause of the cough. The presence of only mild left atrial dilation also suggests that Lola's current risk for the development of left-sided congestive heart failure is relatively low, though careful monitoring of her respiratory rate/effort is recommended, as is monitoring for other clinical signs of cardiac dysfunction, such as exercise intolerance, syncope, and abdominal distension.

SEX

FS

AGE

12 y

A whole blood or plasma taurine level is recommended, and taurine supplementation (1000 mg BID) should be given if a deficiency is documented. A diet change would be warranted if Lola is receiving one that has been linked to the development of myocardial dysfunction.

WEIGHT

73 lb

Recommended therapy to help support Lola's myocardial function includes pimobendan (10 mg BID), enalapril (15 mg BID), and spironolactone (37.5 mg BID). A trial with furosemide (37.5 mg BID) can be considered to see if cardiac preload reduction improves Lola's cough.

HOSPITAL NAME

Animal General on Hudson

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 6 months.

REFERRING VET

Dr. Zelinski



DATE

12/29/21

PERFORMED BY:

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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

Lola Noe

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

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

BREED

Golden Retriever

SEX

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AGE

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WEIGHT

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