


PRESENTING CLINICAL SIGNS

DATE History: Grade 4-5/6 murmur. Pulmonary crackles, worse on the right. Improving cough. No current medications.

12/3/21

ECHOCARDIOGRAPHIC FINDINGS

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

Crystal Hill There is moderate to severe left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate to severe jet of eccentric mitral regurgitation is present. There is moderate to severe left ventricular dilation. Left ventricular systolic function is hyperdynamic.

INTERPRETED BY The aorta and aortic 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. TR velocity is consistent with the presence of mild to moderate pulmonary hypertension (PG 49.8 mmHg). The pulmonary artery and pulmonic valve are normal. No pericardial effusion or cardiac masses are seen.

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

PATIENT LA - 36.2 mm
LVIDd - 38.2 mm
LVIDs - 19.6 mm
FS - 48.7%
RA - 17.1 mm
LVOT - 1.50 m/s
RVOT - 1.50 m/s
TR - 3.53 m/s

Lulu Oldershaw

SPECIES
Canine

ASSESSMENT/RECOMMENDATIONS

BREED Degenerative mitral and tricuspid valve disease
Pulmonary hypertension

Yorkie-Poo

SEX This examination demonstrates regurgitation of blood across Lulu's mitral and tricuspid valves resulting from degenerative valve disease. Lulu's tricuspid valve disease is mild, and appears to be well-compensated at this time. Her mitral valve disease is significantly more advanced, as Lulu has moderate to severe mitral regurgitation present, with moderate to severe secondary dilation of both her left atrium and left ventricle, as well as mild to moderate secondary pulmonary hypertension. Given the severity of her disease, it's certainly possible that Lulu's cough and pulmonary crackles could be cardiogenic in origin, however, consideration should also be given to airway disease as a possible cause. In addition to coughing and congestive heart failure, Lulu is at risk for the development of exercise intolerance and syncope, therefore, careful monitoring for these signs is recommended.

FS

AGE
11 y

Thoracic radiographs are recommended to further evaluate Lulu's cough and pulmonary crackles.

WEIGHT
6.2 kg

Recommended therapy based on this exam includes pimobendan (2.5 mg am, 1.25 mg pm) and sildenafil (10 mg am, 5 mg pm). Should radiographs indicate a cardiogenic cause of Lulu's cough/pulmonary crackles, additional therapy with furosemide (6.25 mg BID) and enalapril (2.5 mg BID) would be warranted.

HOSPITAL NAME

Beatties PH
Burlington

A renal/electrolyte profile +/- recheck radiographs is recommended in 1-2 weeks if furosemide and enalapril are started. A recheck echocardiogram is recommended in 6 months.

REFERRING VET

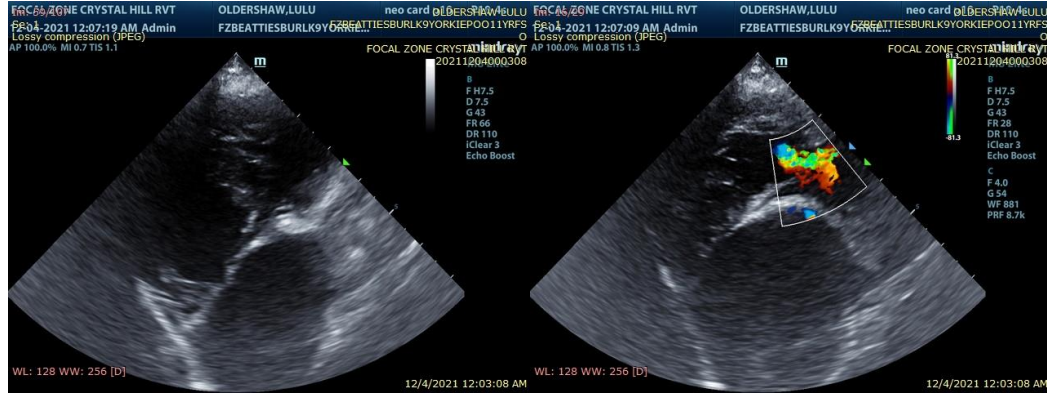
Dr. Ruggieri



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PERFORMED BY:
Crystal Hill

INTERPRETED BY
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(Cardiology)



PATIENT

Lulu Oldershaw

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

Yorkie-Poo

SEX

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AGE

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