



PRESENTING CLINICAL SIGNS

DATE History: Grade V/VI continuous basilar murmur. Asymptomatic.

ECHOCARDIOGRAPHIC FINDINGS

6/20/23 2D, M-mode, and Doppler study.

PERFORMED BY:

Dr. Meredith Swart

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

There is mild left atrial dilation. The mitral appears normal, though trace mitral regurgitation is present. There is moderate to severe left ventricular dilation. Left ventricular systolic function is normal. The aortic valve is normal. There is mildly increased flow velocity in the ascending aorta. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The pulmonic valve is normal. There is continuous turbulent flow in the main pulmonary artery. No pericardial effusion or cardiac masses are seen.

PATIENT

Lorena Geiger

LA - 30.2 mm
LVIDd - 40.3 mm
LVIDs - 27.8 mm
FS - 31%
RA - 17.7 mm
LVOT - 2.24 m/s
RVOT - 1.31 m/s

ASSESSMENT/RECOMMENDATIONS

SPECIES

Canine

BREED

Boston Terrier

This examination demonstrates continuous turbulent flow in Lorena's main pulmonary artery. While the exact origin of the flow cannot be visualized, this is highly suggestive of the presence of a left-to-right shunting patent ductus arteriosus (PDA). Secondary to Lorena's suspected PDA, she has moderate to severe dilation of her left ventricle and mild dilation of her left atrium, as well as mildly increased flow velocity in her aorta. As only mild left atrial dilation is present, the development of left-sided congestive heart failure does not appear to be imminent, however, this risk will increase if Lorena's shunt is not closed in the near future. While closure at this stage should be curative, the prognosis significantly worsens if congestive heart failure and/or myocardial failure develop prior to closure, therefore, expeditious closure is recommended.

SEX

FI

Referral to a cardiologist is recommended to confirm the presence of a PDA, as well as to determine whether interventional or open surgical closure of Lorena's shunt would be the preferred treatment. If referral is to be performed in the very near future, no medical therapy is recommended.

AGE

5 mo

If closure is not pursued, a recheck echocardiogram is recommended in 4 months. Thoracic radiographs are recommended if Flower experiences respiratory clinical signs.

WEIGHT

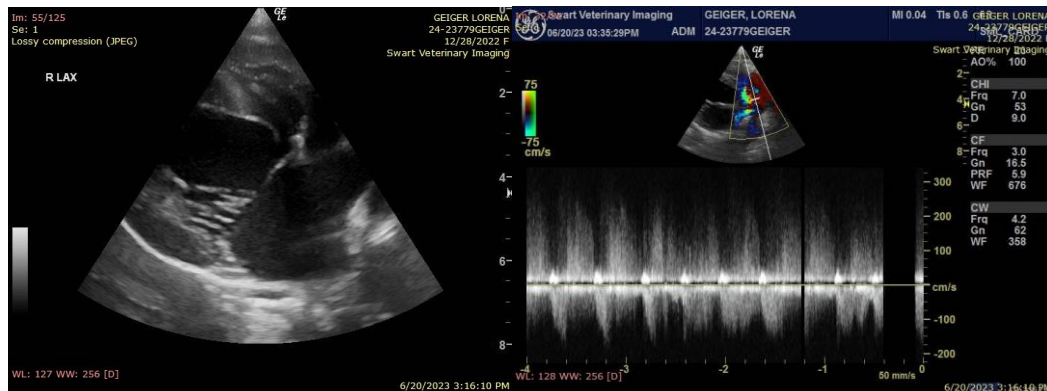
14.6 lb

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart





DATE

6/20/23

PERFORMED BY:

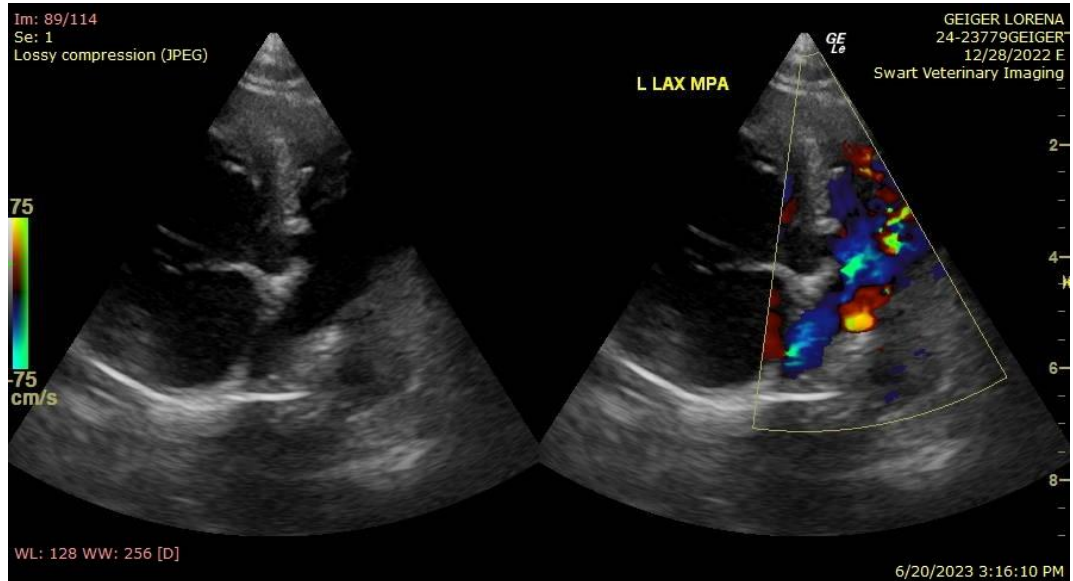
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PATIENT

Lorena Geiger



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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.

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