



**PRESENTING CLINICAL SIGNS**

History: Gradual lethargy and exercise intolerance. New murmur.

**DATE**

5/25/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Tom McNeil

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

Left atrial size is normal. The mitral valve appears normal. Left ventricular dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve are normal. There is mild right atrial and right ventricular dilation. The tricuspid valve leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation present. The pulmonic valve leaflets are mildly thickened, and appear mildly fused in systole. There is turbulent flow across the valve, the velocity of which is consistent with the presence of moderate to severe stenosis (PG 96 mmHg). Trace pulmonic insufficiency is present. There is mild post-stenotic dilation of the main pulmonary artery. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

**PATIENT**

Gemma Boney

LA - 31.9 mm  
LVIDd - 35.1 mm  
LVIDs - 20.8 mm  
FS - 40.7%  
RA - 36.2 mm  
RVIDd - 31.7 mm  
LVOT - 1.90 m/s  
RVOT - 4.90 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

**BREED**

Pitbull Mix

This examination demonstrates mild thickening and fusion of Gemma's pulmonic valve leaflets, consistent with valvular stenosis. The appearance of Gemma's valve is consistent with a congenital abnormality, therefore, it's a bit surprising that Gemma has a new heart murmur at her age. There is turbulent blood flow across Gemma's pulmonic valve, the velocity of which is consistent with the presence of moderate to severe stenosis, and it's likely that this is the cause of her lethargy and exercise intolerance. Gemma also has some regurgitation of blood across her tricuspid valve and mild dilation of her right heart chambers, therefore, careful monitoring for the development of right-sided congestive heart failure is recommended.

**SEX**

FS

**AGE**

11 y

Referral to a cardiologist that performs balloon valvuloplasty is recommended to determine whether Gemma would be a good candidate for this procedure, as a successful balloon should permanently reduce the severity of her stenosis. No medical therapy is recommended at this time, pending the results of the recommended consultation and whether balloon valvuloplasty is performed.

**WEIGHT**

50 lb

A recheck echocardiogram is recommended in 6 months if referral is not pursued.

**HOSPITAL NAME**

SVS Imaging CT

**REFERRING VET**

Dr. Wolff



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PATIENT

Gemma Boney

SPECIES

Canine

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Pitbull Mix

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WEIGHT

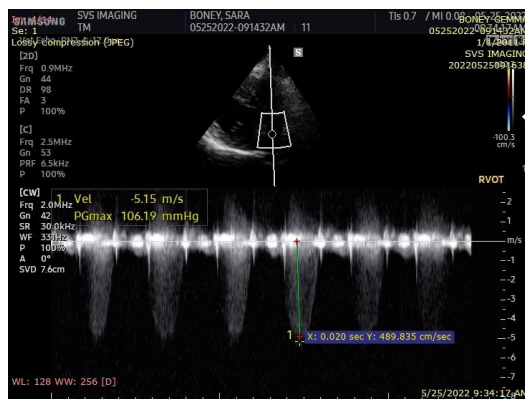
50 lb

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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.

Keith Blass, DVM, MS, DACVIM (Cardiology)  
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