



<b>DATE</b>	<b>RESENTING CLINICAL SIGNS</b> History: Grade 6/6 murmur. Spayed a few weeks ago and did well through surgery.
10/8/21	<b>ECHOCARDIOGRAPHIC FINDINGS</b> 2D, M-mode, and Doppler study.
<b>PERFORMED BY:</b>  Loetitia Saint-Jacques, LVT	There is mild left atrial dilation. The mitral valve is normal. There is moderate to severe left ventricular dilation. Left ventricular systolic function is normal. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The pulmonary artery and pulmonic valve are normal. There is continuous retrograde flow in the main pulmonary artery originating in a location consistent with a left-to-right shunting patent ductus arteriosus. The velocity of shunting flow is consistent with a normal systemic to pulmonary pressure gradient. No pericardial effusion or cardiac masses are seen.
<b>INTERPRETED BY</b>  Keith Blass, DVM, MS, DACVIM (Cardiology)	
<b>PATIENT</b>  Emilia NHS	LA - 26.9 mm LVIDd - 34.4 mm LVIDs - 22.4 mm FS - 34.9% LVOT - 1.92 m/s RVOT - 1.09 m/s PDA - 4.36 m/s
<b>SPECIES</b>  Canine	<b>ELECTROCARDIOGRAPHIC FINDINGS</b> A six lead ECG is submitted for review.  HR: 85-230 bpm Rhythm: Sinus
<b>BREED</b>  Poodle/Maltese	Normal sinus rhythm and sinus tachycardia are present in this recording. The MEA is normal. The R wave amplitudes are increased, suggestive of left ventricular enlargement. No premature beats or conduction blocks are seen.
<b>SEX</b>	<b>ASSESSMENT/RECOMMENDATIONS</b> Patent ductus arteriosus (PDA)
<b>FS</b>	Emilia's echocardiogram demonstrates continuous shunting of flow from her aorta into her pulmonary artery, consistent with a left-to-right shunting PDA. Secondary to the shunt flow, Emilia has mild dilation of her left atrium and moderate to severe dilation of her left ventricle.
<b>AGE</b>  1 y	Emilia's radiographs show that her disease is still compensated, however, ~67% of dogs with PDAs will die within 1 year of diagnosis if left untreated due to the development of refractory heart failure and/or myocardial failure. Therefore, closure of Emilia's PDA, either interventionally via ACDO placement or through an open surgical ligation, is recommended. Closure of Emilia's ductus at this stage should be curative, however, if closure is delayed and severe congestive heart failure and/or myocardial failure develop, her long-term prognosis will be significantly poorer.
<b>WEIGHT</b>  9 lb	Referral to a cardiologist that performs interventional PDA closure is recommended, though, given Emilia's size, it's possible that open surgical closure may be recommended. If PDA closure is to be performed soon, no medical therapy is recommended at this time.
<b>HOSPITAL NAME</b>  Nevada Humane Society	A recheck echocardiogram is recommended in 6 months if PDA ligation is not pursued.
<b>REFERRING VET</b>  Dr. Slatin	



DATE

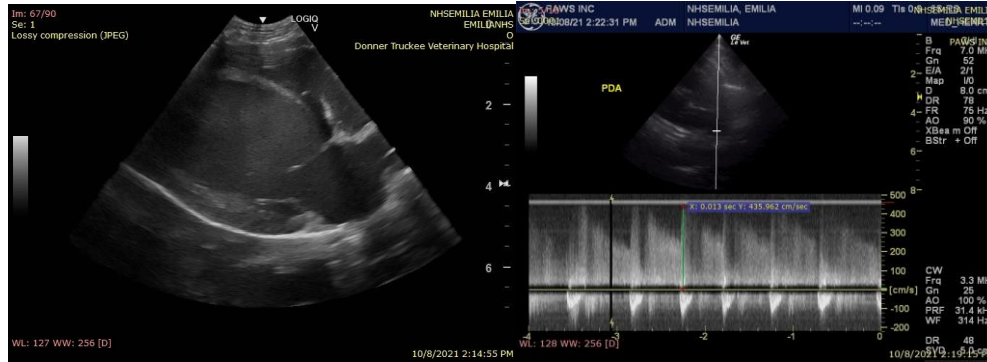
10/8/21

PERFORMED BY:

Loetitia Saint-Jacques, LVT

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

Emilia NHS

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

Keith Blass, DVM, MS, DACVIM (Cardiology)  
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Canine

BREED

Poodle/Maltese

SEX

FS

AGE

1 y

WEIGHT

9 lb

HOSPITAL NAME

Nevada Humane  
Society

REFERRING VET

Dr. Slatin