



**PATIENT**

Lacey Banton

**SPECIES**

Canine

**BREED**

American Staffordshire Terrier

**SEX**

Spayed Female

**AGE**

7 Years

**WEIGHT**

81.3 Pounds

**INTERPRETED BY**

Sara Brethel, DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Countryside AC

**REFERRING VET**

Dr. Cox

**INVOICE**

37327

**DATE**

6/4/26

**PRESENTING CLINICAL SIGNS**

Clinical Exam Findings: Exercise intolerance, weight gain, shedding, Cardiopet pro BNP is elevated at 1592. ABNORMAL Labwork Values: CBC: HCT 61.6%, Chem: SDMA 17, Cardiopet pro BNP is elevated at 1592, T4 is 2, Urinalysis: spgr 1.011, ph = 8, 1+ epi cells, inactive sediment, For ECHO Only: HR/RR/BP: HR 100, RR Panting. Is there a Heart Murmur? If so, please grade: No, Current Medications: Heartgard and Nexgard 1 chew SIM; Phycox Max 1 chew SID; Omega 3 1 dose SID.

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
<b>NORMAL PARAMETER</b>	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
<b>PATIENT</b>	--	--	1.0	1.35	43.45	--	--
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LAD LA MAX 4 Chamber	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
<b>NORMAL PARAMETER</b>	50-100	0.7-1.7	0.7-1.6				
<b>PATIENT</b>	--	~2.0	1.49	36.95	4.3	3.36	1.9

**Cardiac Presentation**

The mitral valve leaflets appear to be mildly thickened and there is trivial mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is normal. Left ventricular systolic and diastolic function is within normal limits. There is normal right atrial size without evidence of tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on today's evaluation. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology, and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ULTRASONOGRAPHIC FINDINGS**

- Mild mitral valve thickening and trivial mitral regurgitation

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**



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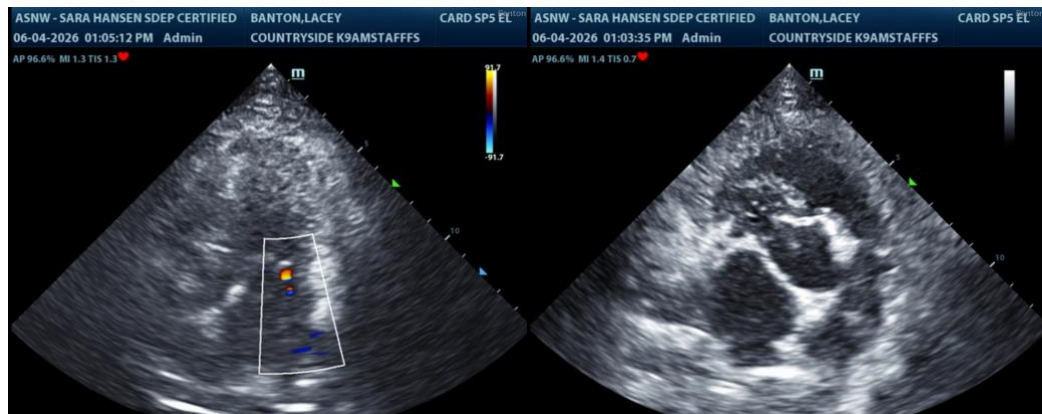
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There are early signs of degenerative valve disease, however, in the absence of a murmur and lack of cardiac enlargement, the elevated proBNP is likely not causing the patient's clinical signs. No cardiac therapies are recommended. A recheck echo is recommended in one year, sooner if the patient develops a murmur or an arrhythmia.



**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

Sara Brethel DVM, DACVIM (Cardiology)

[info@SonoPath.com](mailto:info@SonoPath.com)