



PATIENT

Lucy Saffell

SPECIES

Canine

BREED

German Shepherd

SEX

Spayed Female

AGE

4 Years

WEIGHT

82 Pounds

INTERPRETED BY

Sara Brethel DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Banfield Salem

REFERRING VET

Dr. Marcberg

INVOICE

36676

DATE

4/21/26

PRESENTING CLINICAL SIGNS

Clinical Exam Findings: BAR, generally cooperative for exam - pulling at leash duration of time in tx area - anxious but no signs of aggression - go slow, TPR: 102.8F, 150bpm, 50brpm, BCS: 5/9, 82.00 lbs, Eyes: clean and clear, Ears: AU dry crusted yellow exudate, Nose/throat: wnl, Oral: G 1/4 dental calculus worn teeth, CRT <2 sec, mm pink and moist, Skin: long nails, alopecia and hair thinning no dorsal snout and dorsal hind digits- much improved, mild lichenification in axillary region and medial thighs bilaterally, Heart/Lungs: auscultation of thorax - 3/6 left ejection heart murmur, lungs clear, normal respiratory effort, Abd: unremarkable, non-painful, M/S: normal gait, ambulatory on all four limbs, Peri: wnl, LN: peripheral palpate small, soft and symmetrical, Rectal: not performed, Neurologic: normal mentation and posture

ABNORMAL Labwork Values: None, For ECHO Only: Blood Pressure: not taken, HR/RR/BP: 150/50/not taken, Is there a Heart Murmur? If so, please grade: yes 3/6, Current Medications: Medicated Hexahlor-K Shampoo & Spray, Radiographic Findings: none taken.

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)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT			1.02	1.16	48.57	--	NM
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)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	NM	2.36	2.05	37.37	4.2	3.5	1.8

Cardiac Presentation

The mitral valve leaflets are normal and there is no 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 while normal are



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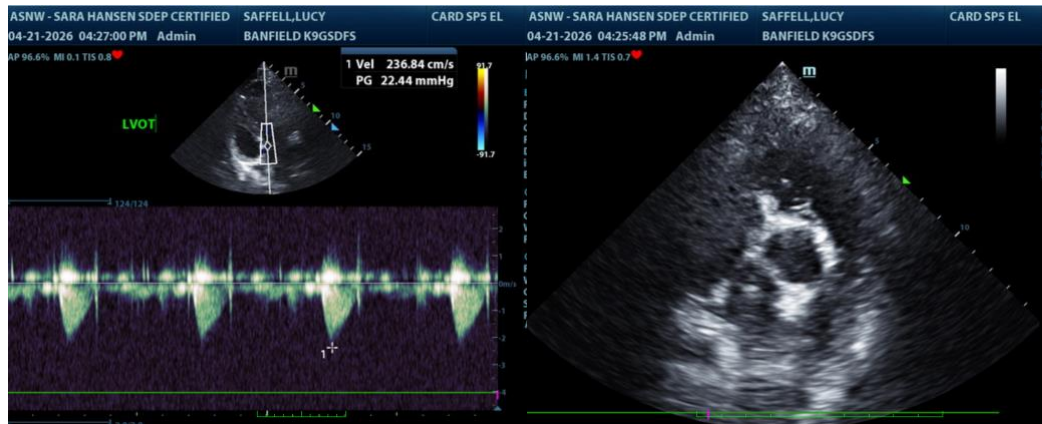
at the upper limits of normal. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Aortic and pulmonic corresponding outflow velocities upper limits of normal

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient's murmur appears to be physiologic. No primary cardiac disease is identified. Recommend ensuring full blood work is normal and can consider a recheck echo in 10-12 months, sooner if the murmur is changing in intensity, or the patient develops cardiovascular clinical signs. At this time, there are no contraindications to elective anesthetic procedures. To be cautious, I would recommend avoiding dexmedetomidine in this patient.



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)

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