

PATIENT PRESENTING CLINICAL SIGNS

Kangaroo Susi History: P has history of possible heart murmur as puppy.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

Labradoodle

SEX

Spayed Female

AGE

2 Years 11 Months

WEIGHT

24.4 Pounds

INTERPRETED BY

Sara Brethel DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Kathleen Byrnes

HOSPITAL NAME

AH of Lake Brandt

REFERRING VET

Dr. Smith

INVOICE

35261

DATE

1/6/26

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	--	2.3	NM	1.18	25.92	--	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	--	1.4	0.75	11.09	2.5	2.7	2.0

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 with evidence of trivial 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. There appears to be echo dropout within the interatrial septum identified on left parasternal apical images.

ULTRASONOGRAPHIC FINDINGS

- Trivial tricuspid regurgitation
- Echo dropout within the interatrial septum- rule out atrial septal defect secundum

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient has trivial eccentric tricuspid regurgitation. This may be a physiologic variant. A mild form of tricuspid valve dysplasia given the patient's breed can't be ruled out. Additionally, there is some



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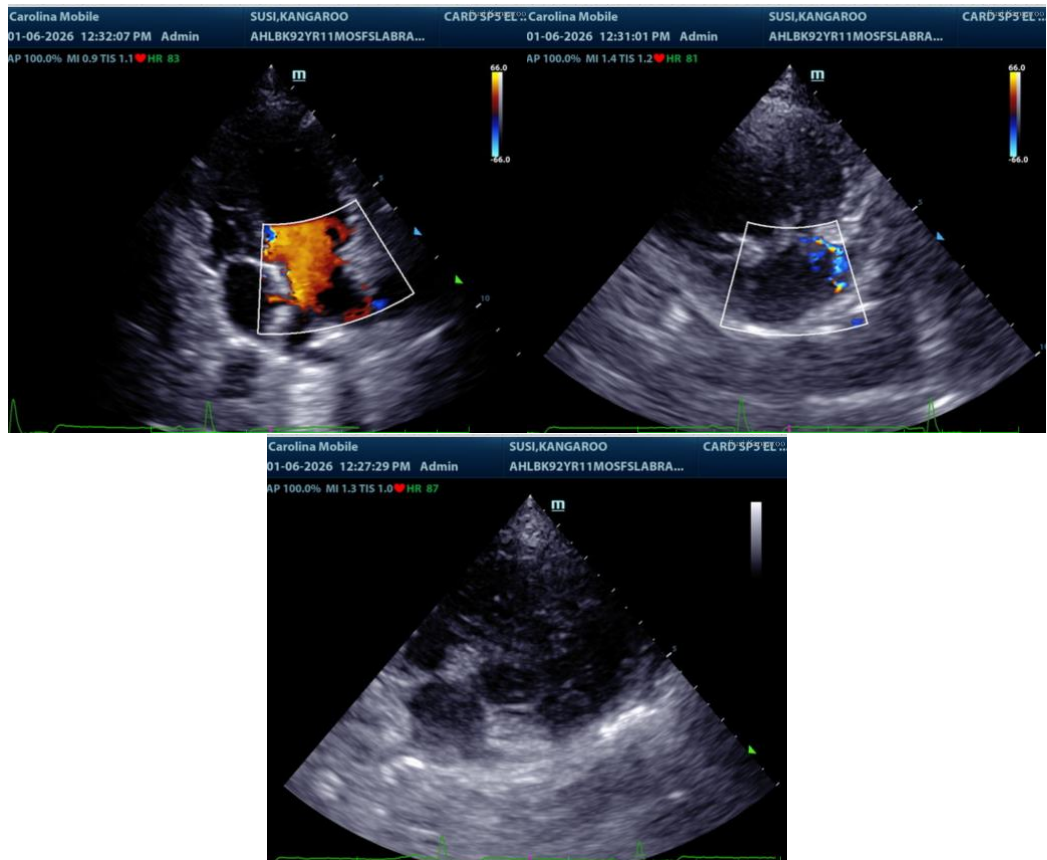
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echo dropout on the left parasternal apical images, that may represent a small atrial septal defect. This is likely an incidental finding and no therapy is indicated. I would recommend a recheck echo in a year, just to monitor the patient long term. No contraindications to activity or elective anesthetic procedures. To be cautious, I would avoid dexmedetomidine and ketamine in this patient if anesthesia is needed.



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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