

PATIENT

Sasha Penalosa

SPECIES

Canine

BREED

German Shepherd

SEX

Spayed Female

AGE

5 Years

WEIGHT

98 Pounds

INTERPRETED BY

Sara Brethel, DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Kathleen Byrnes

HOSPITAL NAME

Vine VH

REFERRING VET

Dr. Arble

INVOICE

35527

DATE

1/20/26

PRESENTING CLINICAL SIGNS

History: P presented last Monday for pericardial effusion- pericardiocentesis performed. Echo rec to look for mass vs idiopathic.

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	NM	NM	1.37	1.3	28.10	--	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	--	2.11	0.88	44.45	4.7	4.59	3.3

Cardiac Presentation

The mitral valve leaflets are mildly thickened with mild mitral regurgitation posteriorly directed. There is no prolapse of the mitral valve leaflet. The left atrial size is normal. Left ventricular internal dimensions during diastole are within normal limits and systolic function is preserved in the face of mitral regurgitation. There is normal right atrial size with mild tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension based upon tricuspid regurgitant velocities. 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. There is mild pericardial effusion. There is evidence of a right auricular mass.

ULTRASONOGRAPHIC FINDINGS

- Mild pericardial effusion without evidence of tamponade
- Right auricular mass
- Degenerative valve disease, ACVIM stage B-1

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



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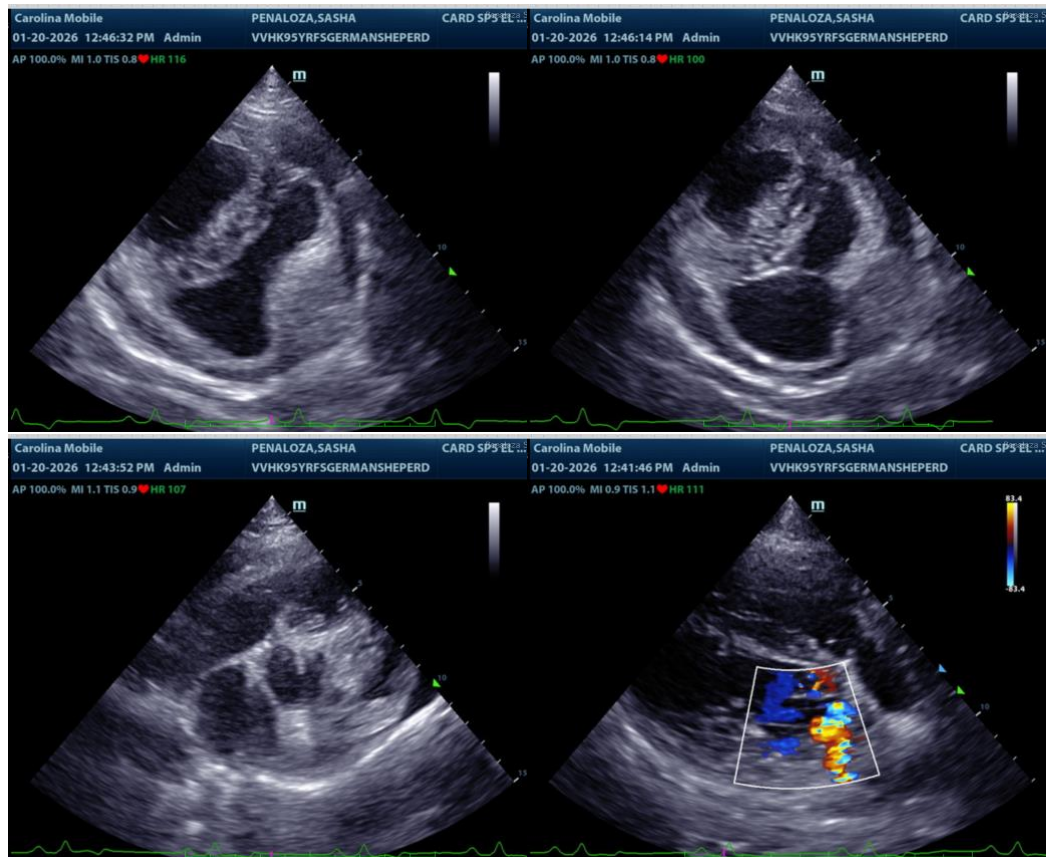
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The patient has evidence of a right auricular mass. Differentials for the mass include cyst, hematoma, abscess, neoplasia, granuloma. Given the location, the patient's age, and breed, neoplastic differential is prioritized, with the most common being hemangiosarcoma. The patient does have mild degenerative valve disease; however, this is an incidental finding. There is mild pericardial effusion present, without evidence of tamponade. Close monitoring is recommended, as if the pericardial effusion continues to accumulate, the patient is at risk of acute decompensation and emergent therapy would be recommended. If not already started, can consider Yunnan Baiyao supplementation (typically 2 capsules twice daily for large breed dogs). Can consider a referral for oncology, if the clients are interested in therapy options. Otherwise, can consider a palliative therapy with steroids versus considering humane euthanasia given the presence of the tumor.



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.

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info@SonoPath.com

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