



PATIENT

Hopper Barnes

SPECIES

Canine

BREED

Old English Sheepdog

SEX

Neutered male

AGE

6 years

WEIGHT

67.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

James Hornbuckle

HOSPITAL NAME

Golden Isles AH

REFERRING VET

Dr. Hornbuckle

INVOICE

69940

DATE

1/7/26

PRESENTING CLINICAL SIGNS

History: Hopper presents for cardiac ultrasound after being diagnosed with presumptuous CHF by emergency hospital. he was being treated for heartworm disease but tested negative 2 weeks ago. At the time of presentation of his symptoms. His initial symptoms were peri q presentation of mild but persistent cough. He is currently taking vetmedin 5 mg tablets 1& 1/2 tablet BID, furosemide 60 mg TID, enalapril 15 mg SID, spironolactone 50 mg BID the ultrasound was ordered to get a baseline evaluation of his cardiac disease. He is currently asymptomatic after starting medications

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The cardiac presentation in this patient presented bradycardia. There was mild volume overload in the left atrium and left ventricle. Moderate mitral valve insufficiency was noted. Contractility was poor. Right atrial enlargement was noted with minor tricuspid insufficiency. The pulmonary artery and right ventricular dilation was noted. No visible pericardial or free pleura fluid was noted.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	LA/AO (Heart Base)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.4	2.1	15		1.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	LA 2D short axis Base view (cm)	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	BELOW	BELOW	BELOW	BELOW
PATIENT			1.3	67.2 lbs	5.8	5.04	

ULTRASONOGRAPHIC FINDINGS

DCM type presentation with bradyarrhythmia.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of heartworms. EKG is indicated to assess for potential heart block. The ace promazine may be playing a role in the bradycardia. Left-sided heart failure is entirely possibly in this patient. There was no evidence of heartworm at this time. I recommend to continue with Pimobendan, Furosemide, Enalapril and Spironolactone. Taurine supplementation is warranted. Assessment for grain free diet is also indicated. Prognosis is very guarded. If bradyarrhythmia is present this may be worsening the volume overload. Regional causes of myocarditis should also be considered as an



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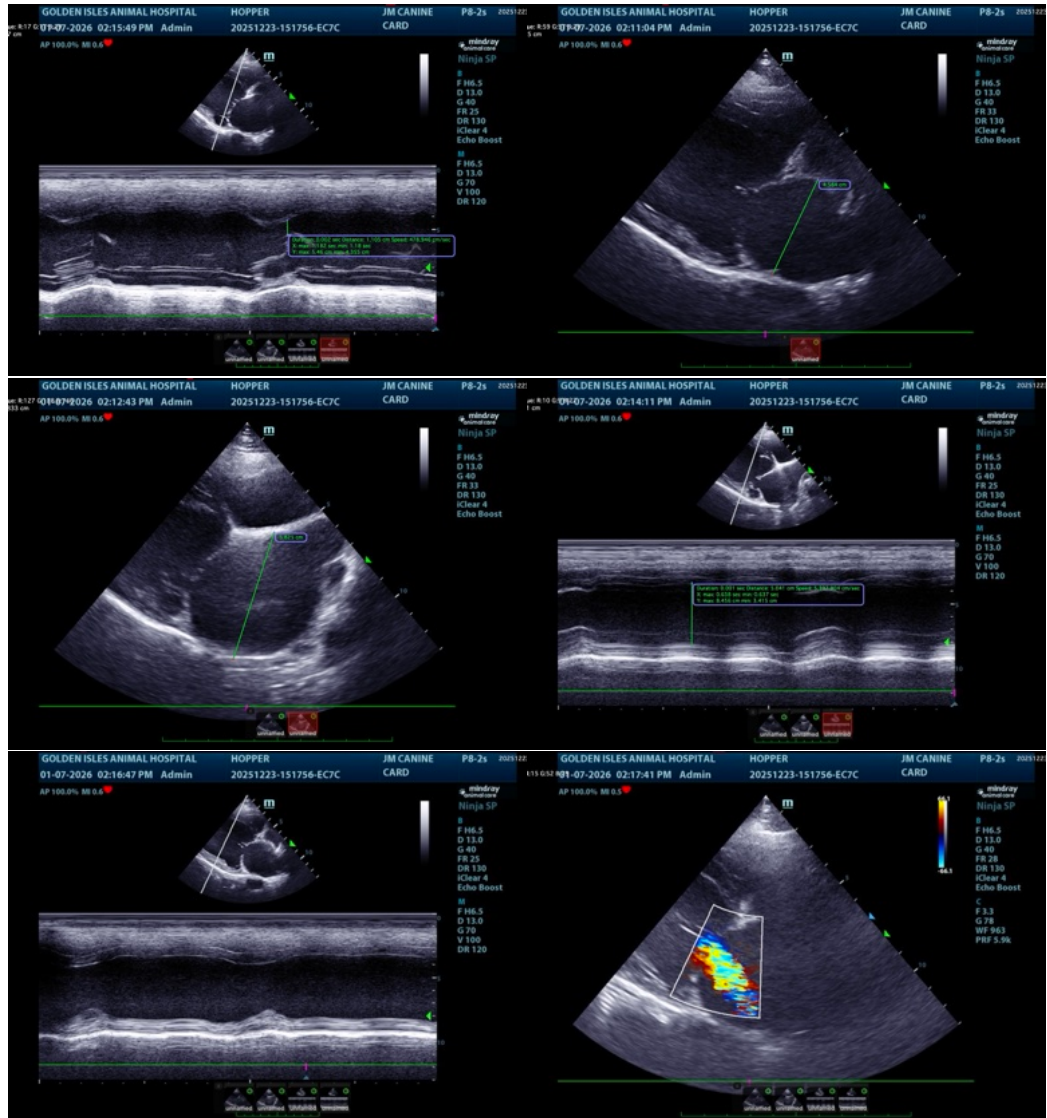
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underlying infectious cause may be playing a role. Potential for hypothyroidism should also be evaluated.





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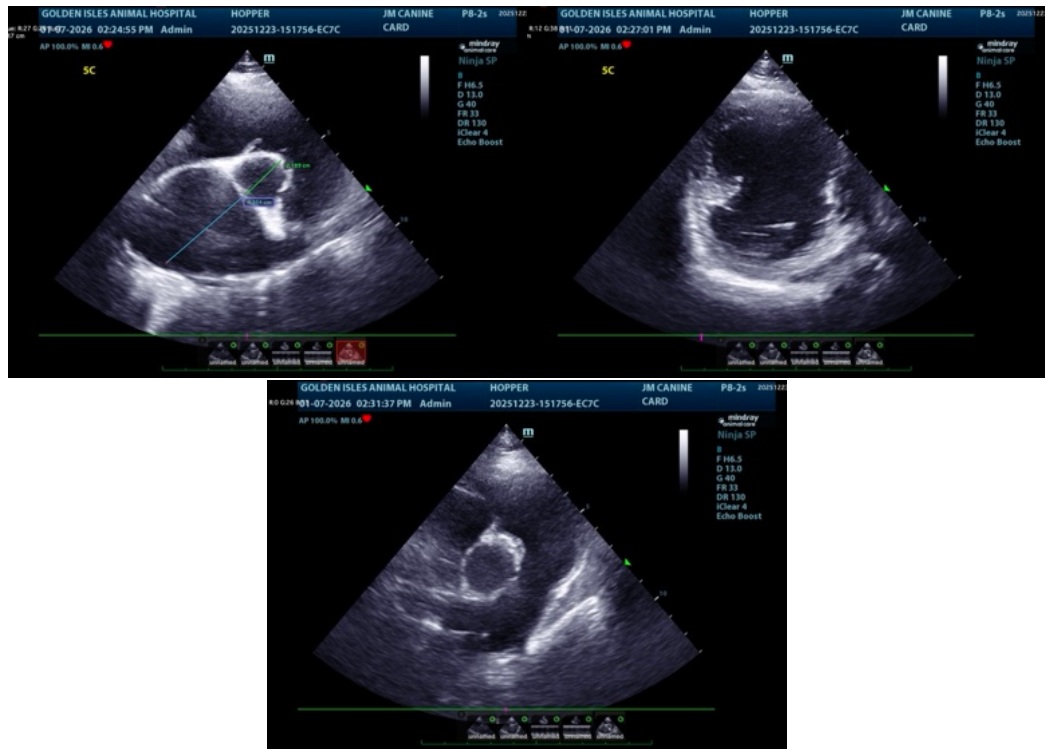
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com