



PATIENT

Rocky Millevoi

SPECIES

Canine

BREED

Beagle Mix

SEX

Neutered male

AGE

10 years

WEIGHT

45 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

John Sampson

HOSPITAL NAME

Richboro VH

REFERRING VET

Dr. Hughes

INVOICE

73523

DATE

3/17/26

PRESENTING CLINICAL SIGNS

- Presented for coughing on 3/10, specifically in the morning
- Started on Vetmedin 5 mg BID, Cardalis 40/5 SID, Furosemide 40 mg BID
- PE - new grade 4/6 murmur, lungs normal Three view thoracic rads: cardiac enlargement with perihilar congestion and interstitial-alveolar pattern noted

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated measurable insufficiency. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. **Tricuspid** valvular assessment demonstrated adequate linear morphology. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). Irregular, hypoechoic tissue accumulation was noted on the heart base in this patient. I am concerned for potential heart base mass. Periodic arrhythmia was noted in this patient.

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	-	-	NM	1.4	56	88	0.1
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	90	2.1	0.9	45 lbs	3.8	2.74	

ULTRASONOGRAPHIC FINDINGS

Minor mitral insufficiency.

Irregular, hypoechoic tissue in the region of the heart base.



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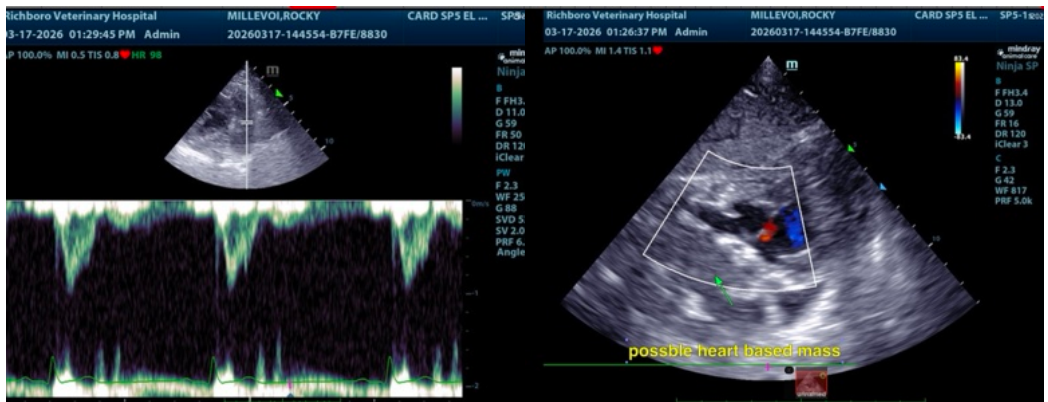
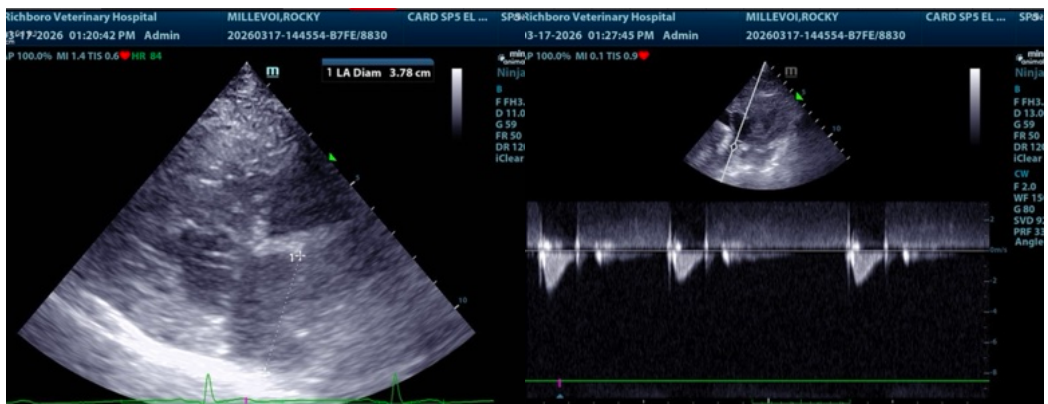
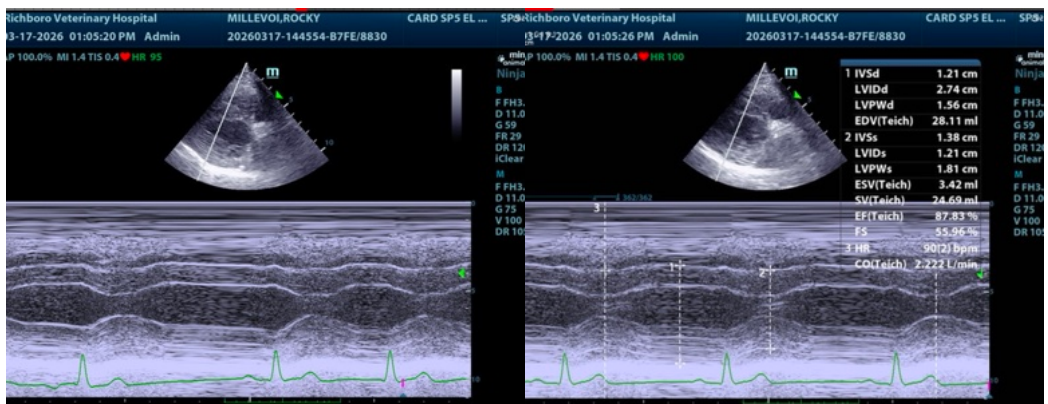
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Further imaging is necessary with focus on the heart base. There was no evidence of volume overload in this patient at this time. I recommend reassessment of the radiographs to ensure the perihilar congestion is not a tissue density, which would correspond to potential isoechoic heart base mass noted in two views.





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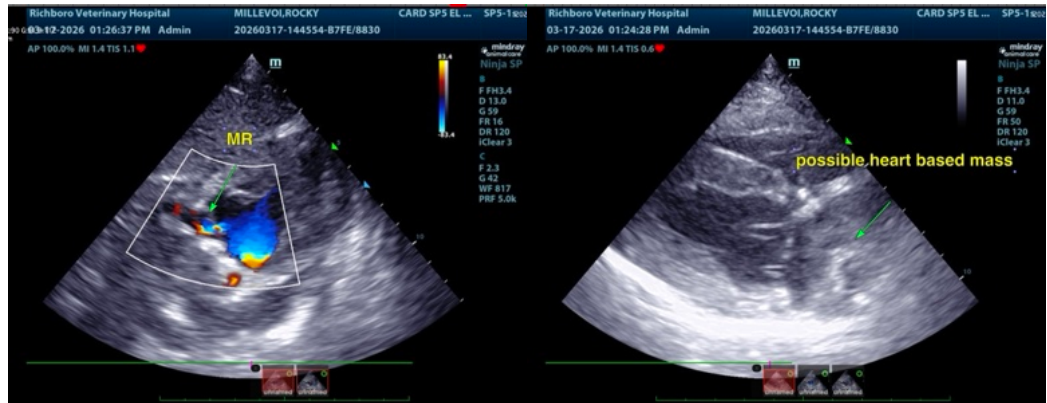
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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