



PATIENT

Shaggy Senior Dog
Rescue

SPECIES

Canine

BREED

Chihuahua Cross

SEX

Neutered male

AGE

17 years

WEIGHT

10.8 lbs

PRESENTING CLINICAL SIGNS

History: Rescued recently; has been w/ current fosters for about 1-2 months; chronic cough , severe dental disease and heart murmur.

Abnormal PE/Chem/CBC/UA Results: 4/6 systolic murmur; faint inspiratory crackles but normal RR/RE. BW done 9/9/21: WNL Thoracic rads taken today: WNL - VHS 9.1; lungs WNL.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. **Mitral** valve insufficiency was noted. 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. No evidence of masses was noted. **Tricuspid** insufficiency was noted at 3.7 m/sec. This is consistent with moderate pulmonary hypertension. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum** and **pericardial and extra-cardiac** regions were free of masses in the visible window.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Bailes

HOSPITAL NAME

All Creatures Great
and Small Corvallis

REFERRING VET

Dr. Bailes

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.66	3.0	NM	2.2	49	82	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	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				
PATIENT		0.97	0.57	10.8 lbs	2.6	2.34	

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ULTRASONOGRAPHIC FINDINGS

Mitral and tricuspid insufficiency.

Very early pulmonary hypertension.



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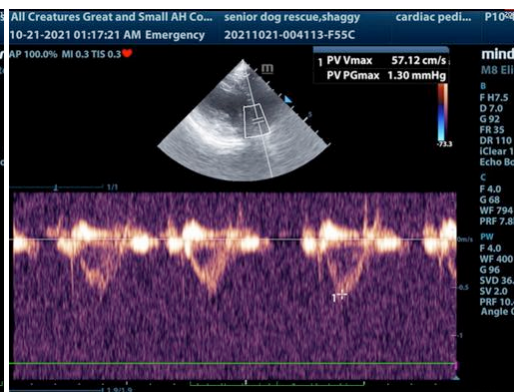
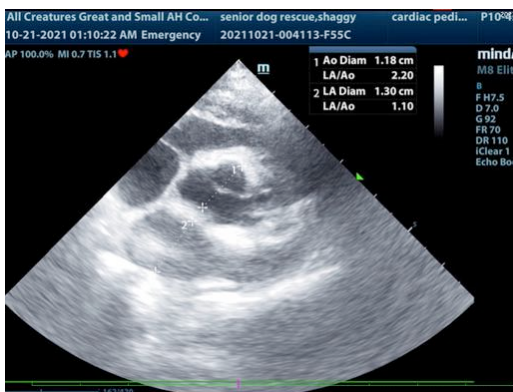
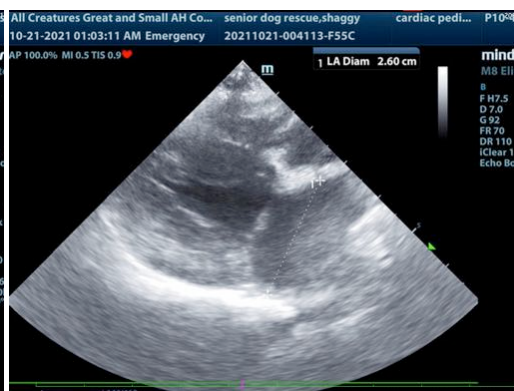
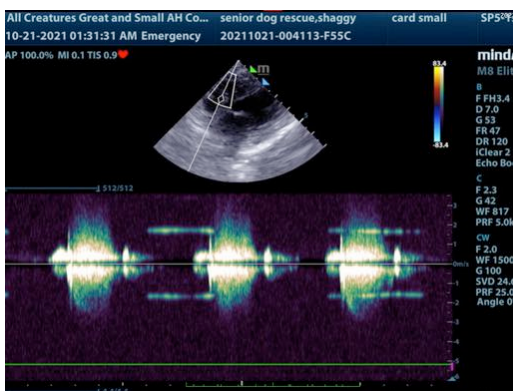
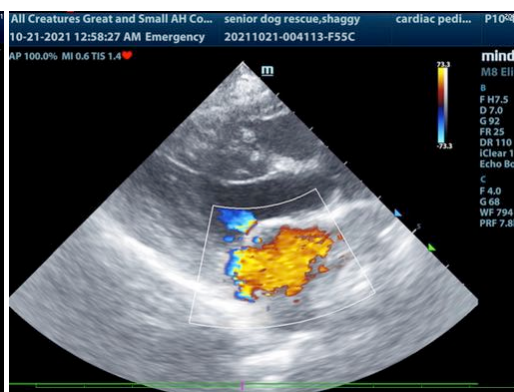
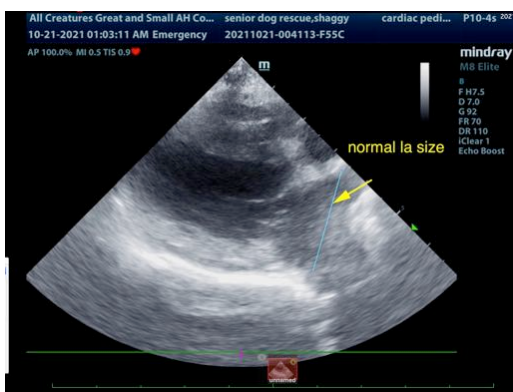
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no significant volume overload at this time. Assessment of BUN, creatinine, USG, chest radiographs and blood pressure as well as clinical exam is ideal in 7-10 days. Basal respiratory rate should be <20/min.





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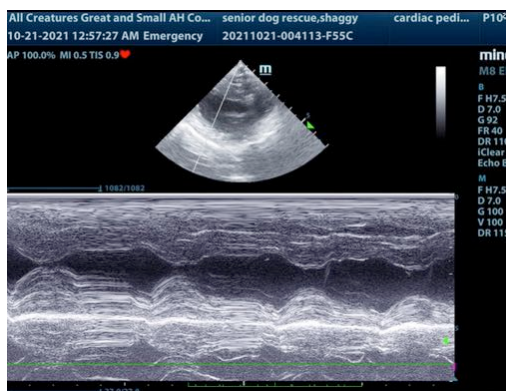
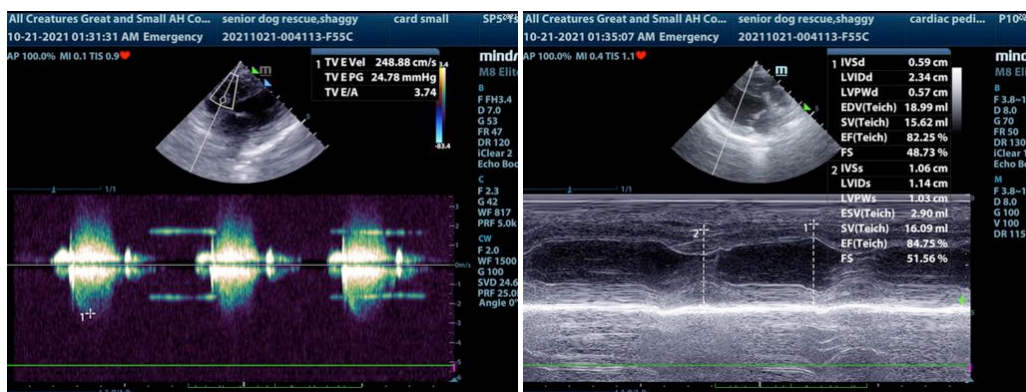
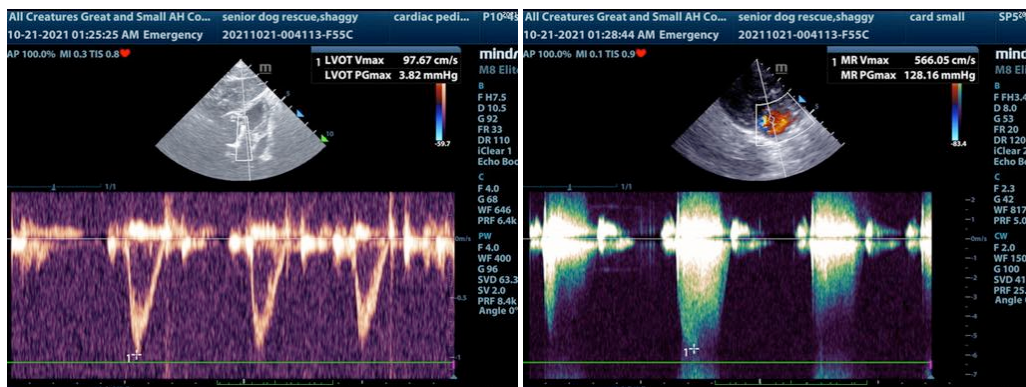
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com