



PATIENT PRESENTING CLINICAL SIGNS

Annie Ringler

History: New murmur noted on physical exam 8/17/21. No current meds.
Abnormal PE/Chem/CBC/UA Results: NSF, UG 1.030

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Jack Russell Terrier
Mix

SEX

Spayed Female

AGE

13 years

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. **Mitral** valve insufficiency was noted and measured 5.88 m/sec. Vegetative change was noted in the anterior mitral valve leaflet. 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. **Aortic** insufficiency was noted in this patient and measured 5.0 m/sec. Aortic outflow velocity was 1 m/sec. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. Minor **tricuspid** insufficiency was noted at 2.16 m/sec. 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. Periodic arrhythmia was noted in this patient.

WEIGHT

11.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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			1.0	1.2	35	67	0.18
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				
PATIENT	100	5.0		11.7 lbs	2.52 max	2.25	

Dr. Watts

ULTRASONOGRAPHIC FINDINGS

INVOICE

91530

Mitral, tricuspid and aortic insufficiency.
Stage B1 valvular disease.

DATE

8/26/21



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IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Livingston AH

REFERRING VET

Dr. Watts

INVOICE

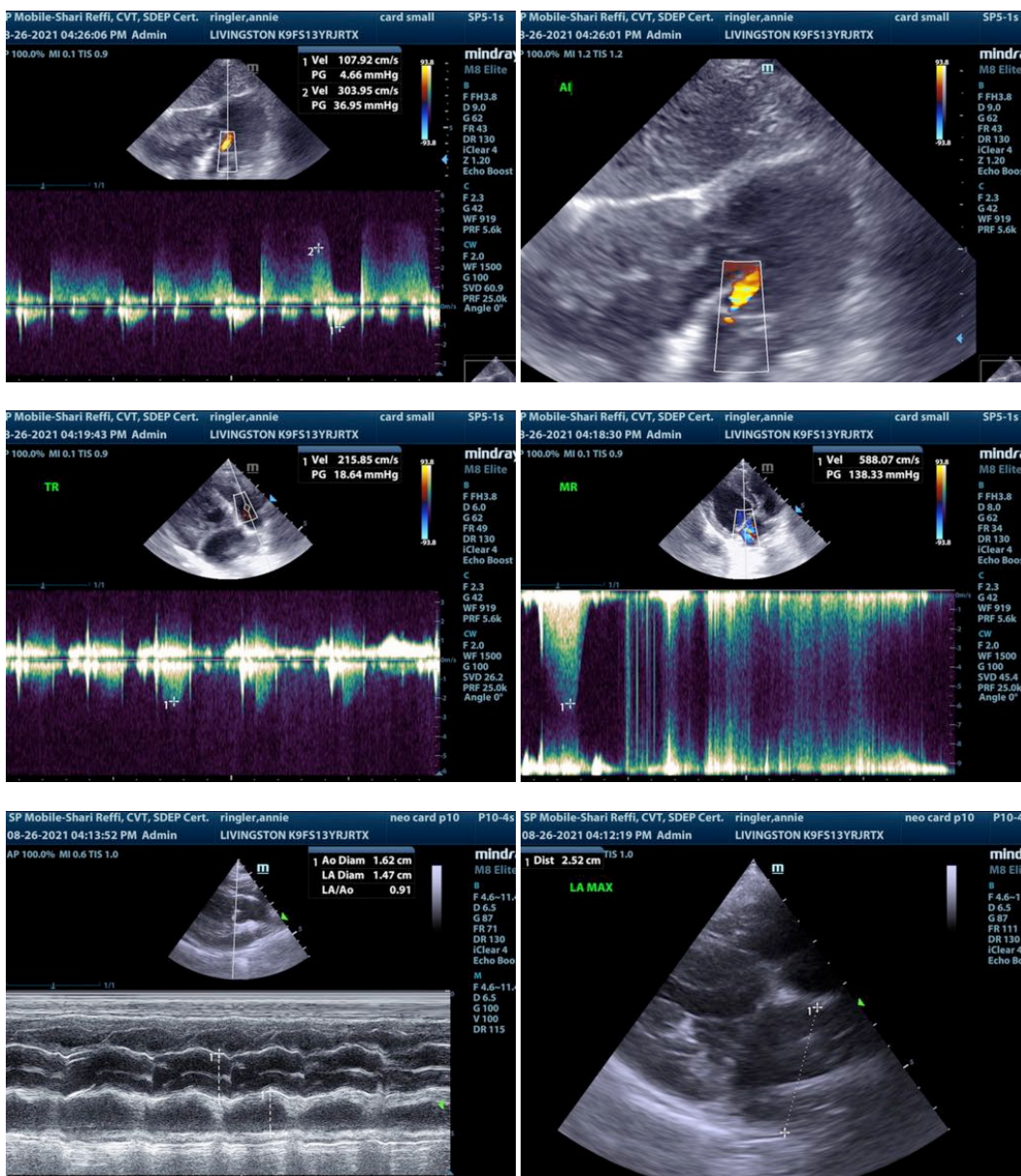
91530

DATE

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

EKG is indicated to assess if this is pathological or pronounced sinus arrhythmia. Blood pressure measurements are recommended. No therapy is warranted at this time. A recheck echocardiogram is recommended in 6 months.





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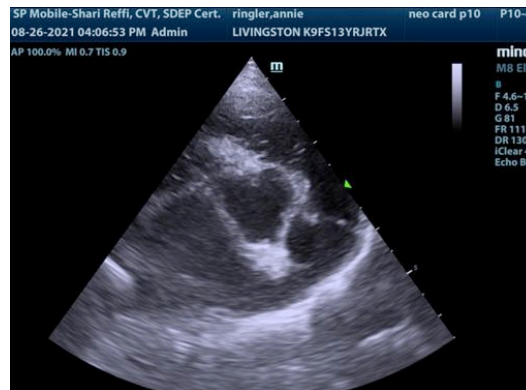
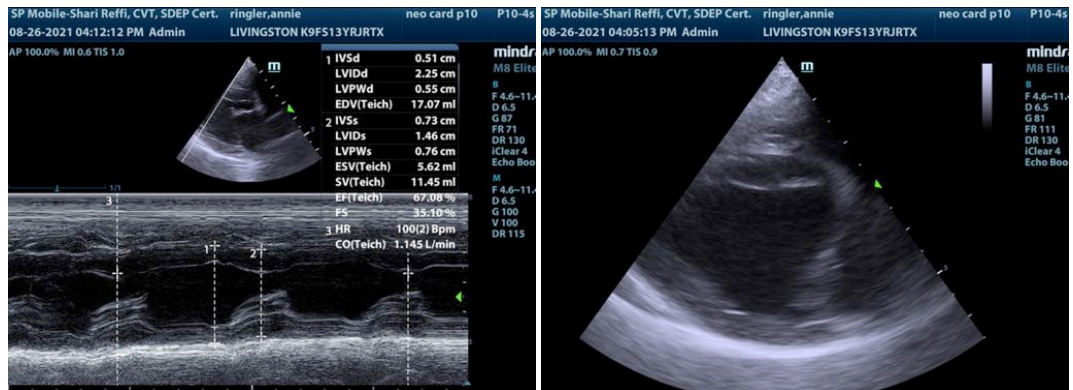
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
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