



PATIENT PRESENTING CLINICAL SIGNS

PATIENT: Zelda Smith
PRESENTING CLINICAL SIGNS: Healthy dog, Systolic murmur heard at wellness. Needs canine tooth extraction (fractured).
 Abnormal PE/Chem/CBC/UA Results: PE: 204 fractured below gum line. III/VI left heart base systolic cardiac murmur. No recent labs.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED: Blue Heeler
SEX: Female
AGE: 3 years
WEIGHT: 31.4 lbs

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Trivial **mitral** valve disease was noted on color flow assessment. 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 velocity is slightly elevated at 2.08 m/sec. 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. Trivial **tricuspid** insufficiency was noted and measured 1.11 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.

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Anderson

HOSPITAL NAME

Elizabeth AH

REFERRING VET

Dr. Anderson

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.1	1.48	26	53	NM
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)		2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT		2.08	0.9	31.4 lbs	3.05	3.13	

ULTRASONOGRAPHIC FINDINGS

Mild, increased left ventricular outflow velocity. Functionally insignificant.

INVOICE

96244

Trivial mitral and tricuspid insufficiency.

DATE

2/22/22

The trivial pulmonic insufficiency is essentially physiological and essentially normal for this breed.

Largely flow murmur.



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Zelda Smith

SPECIES

Canine

BREED

Blue Heeler

SEX

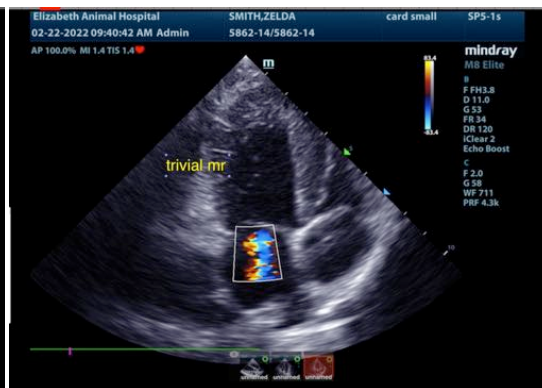
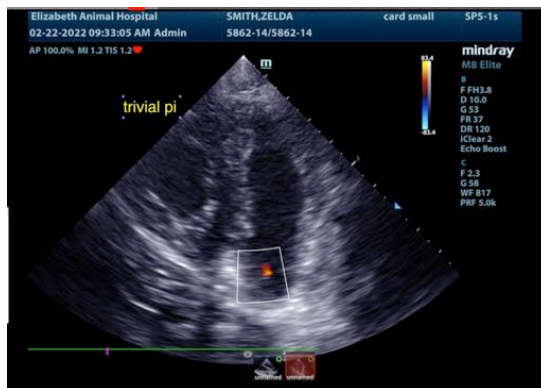
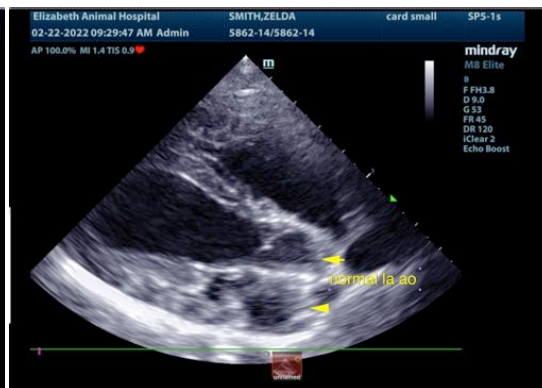
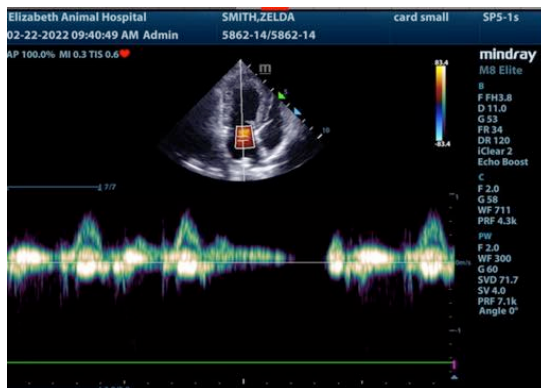
Female

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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.

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