



PATIENT PRESENTING CLINICAL SIGNS

Otis Jordan Presented for routine neuter. No concerns per owner. Previous exams at prior vet clinic apparently normal. Energy level is normal.
 Abnormal PE/Chem/CBC/UA Results: Grade 2 murmur, consistent. PMI is left heart base. No arrhythmia.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Boston Terrier

SEX

Male

AGE

8 months

WEIGHT

10.5 kg

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. 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. Trivial **tricuspid** insufficiency was noted at 2 m/sec. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. Minor **pulmonic** insufficiency was noted at 1 m/sec. 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. Barga

HOSPITAL NAME

Shuswap VC

REFERRING VET

Dr. Varga

INVOICE

99391

DATE

4/19/22

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	<1.3	28-40	40-100	<0.6
PATIENT			1.0	1.4	27	54	NM
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		1.2	0.6	10.5 kg	2.18	2.52	

ULTRASONOGRAPHIC FINDINGS

Normal echocardiogram with trivial pulmonic and tricuspid insufficiency.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The actual cause of the audible murmur is unclear in this patient. The pulmonic and aortic outflow tracts appear largely normal other than trivial pulmonic insufficiency. This is likely a flow murmur. There is no



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overt contraindication to anesthetic procedure. Either flow murmur or very low grade murmur. If the murmur is present in 6 months then a recheck echocardiogram would be recommended.

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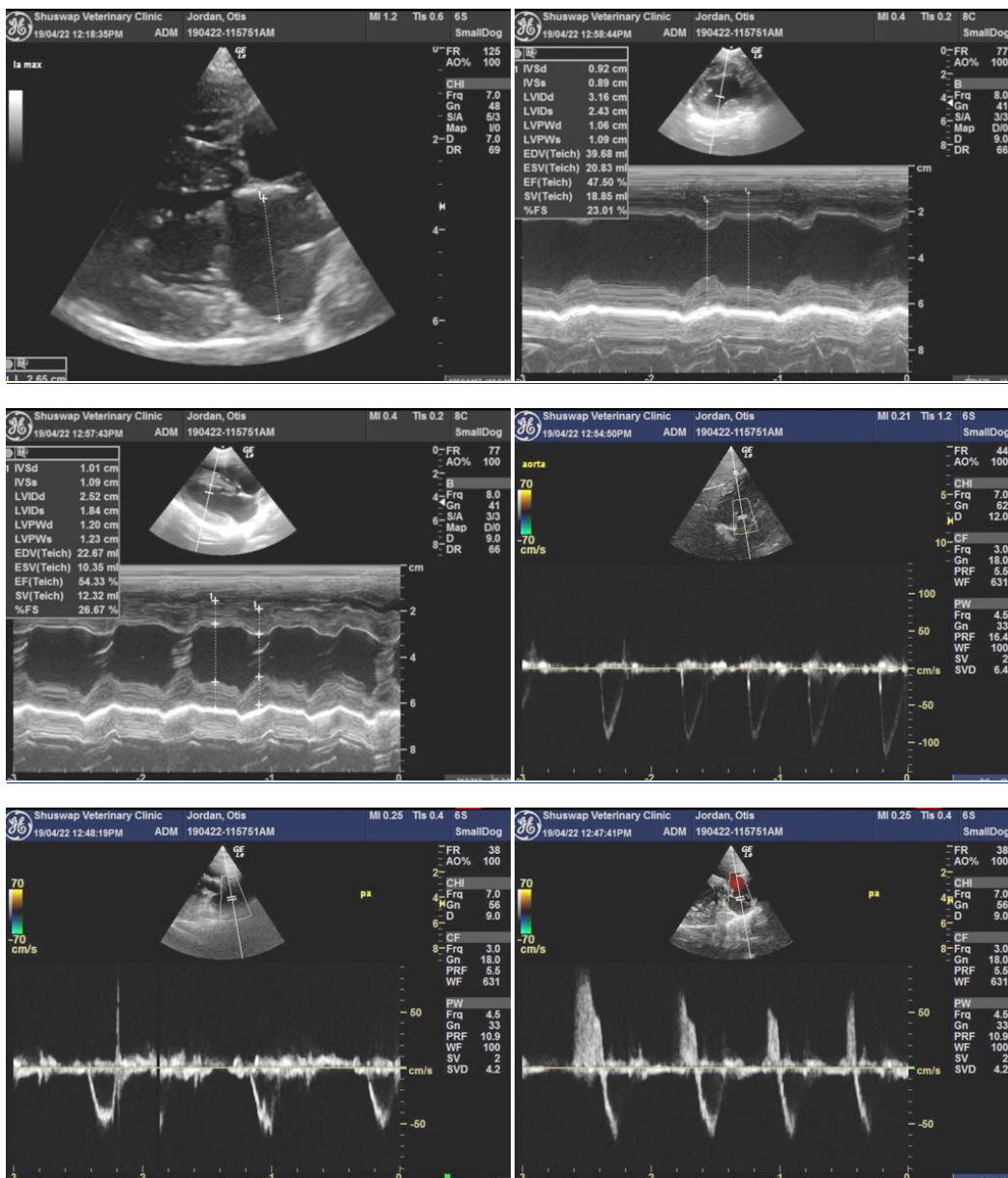
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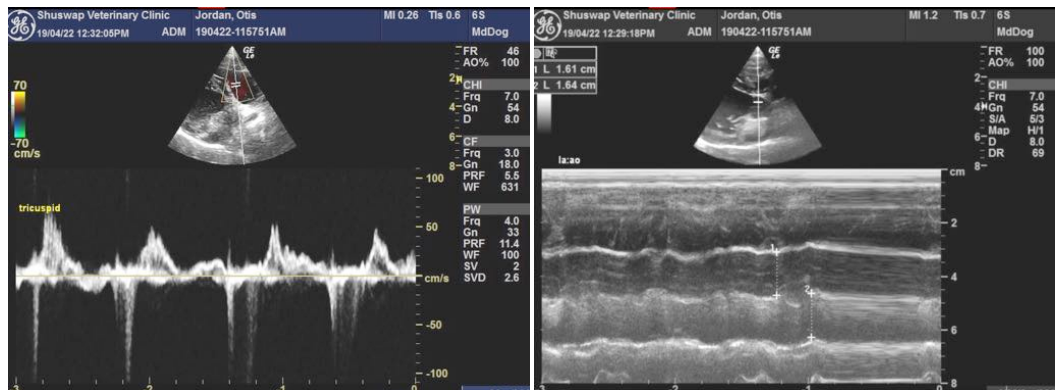
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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