



PATIENT

Seton Hull Johnstone

SPECIES

Canine

BREED

Pitbull Mix

SEX

Male Neutered

AGE

13 years

WEIGHT

78lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Sands Hill Mobile
Veterinary Ultrasound

HOSPITAL NAME

Surf City Animal
Hospital

REFERRING VET

Dr. Jenkins

INVOICE

31953

DATE

7/20/23

PRESENTING CLINICAL SIGNS

History: Heavy panting. Concern for cardiomegaly/CHF/thorax mass/enlarged lymph nodes on CXR.
-Current medications: Started Pimobendan 10mg BID, Enalapril 10mg BID, Lasix 40mg 2 tabs BID.

RADIOGRAPHIC FINDINGS *NOTE: Images submitted for supplemental cardiac information only.

Borderline cardiomegaly. VHS: 10.5. No obvious evidence of CHF.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Normal mitral valve leaflets with no prolapse into the left atrial lumen. Trace mitral regurgitation with no left atrial dilation. Normal LV diameter with adequate myocardial function. The tricuspid valve appears normal with trace tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities with laminar flow. No obvious aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

CARDIAC CHART

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	NM	NM	1.3	1.2	34	63	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	BELOW	BELOW	BELOW	BELOW
PATIENT	100	1.5	0.9	35.4	2.5	4.2	2.8
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
BODY WEIGHT DEPENDENT PARAMETERS				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal cardiac dimensions and function, with no obvious dysfunction or dilation of the left heart. Trace MR and TR are noted, which may reflect early valve disease or may be physiologic in origin. Follow up is advised should a murmur be auscultated in the future. No other significant valvular leaks are visualized, and no evidence of pulmonary hypertension. No obvious extra-cardiac abnormalities are visualized; however, it is important to note soft tissue findings are



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easily missed and are outside the scope of a routine echocardiogram. Thoracic CT should be considered if suspicion is high.

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No cardiac medications are indicated at this time as the heavy panting appears non-cardiac in origin. Other possibilities should be considered as dictated by the clinical picture.

BREED

Pitbull Mix

Monitor for development of a heart murmur, cough, labored breathing, exercise intolerance or collapse episodes.

SEX

Male Neutered

PLAN

Discontinue Lasix, Pimobendan and Enalapril. Consider alternative explanations for heavy panting. A Radiologist review of the films may be beneficial for a more extensive pulmonary evaluation.

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Recommend conservative monitoring with a recheck echocardiogram in 1 year to ensure no progressive changes are seen.

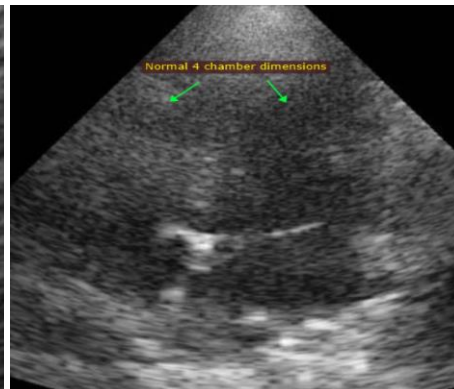
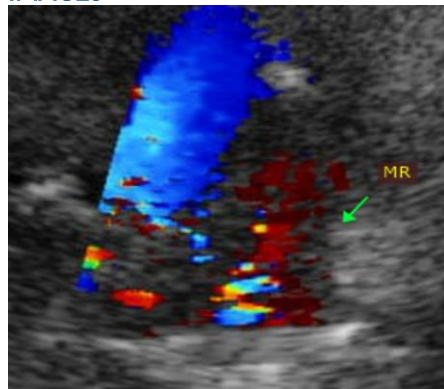
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IMAGES

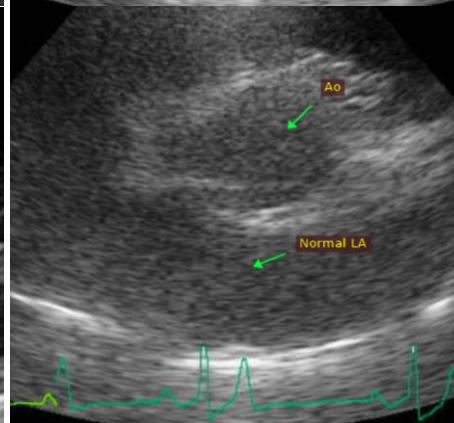
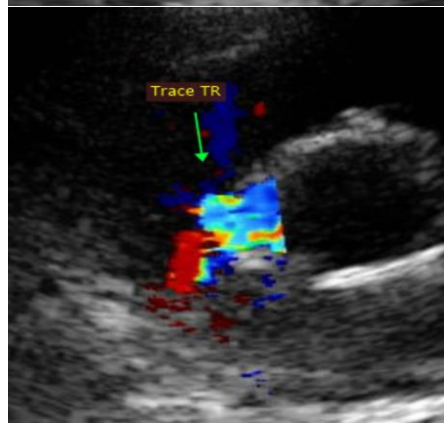
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

BREED

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info@sonopath.com

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