



PATIENT

Ginger Skurka

PRESENTING CLINICAL SIGNS

History: Presurgical exam.

-Abnormal PE/Chem/CBC/UA Results: BUN 28mg/dL, ALT 130 U/L.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Normal mitral valve leaflets with no obvious prolapse into the left atrial lumen. No mitral regurgitation seen. Normal left atrial dimension. Normal LV diameter with normal myocardial function. The tricuspid valve appears subjectively normal, with no insufficiency seen. 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. No AI or PI. No evidence of SAS or other congenital stenosis. No obvious cardiac shunts. Normal pulmonic and aortic outflow velocities; laminar flow. No pericardial or pleural effusion noted. No cardiac tumors identified.

BREED

Boxer

SEX

Female Spayed

CARDIAC CHART

AGE

9.3 years

WEIGHT

77lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Erica Harmon

HOSPITAL NAME

Willamette Veterinary
Hospital

REFERRING VET

Dr. Porter

INVOICE

25127

DATE

7/5/22

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	<1.6	28-40	40-100	<0.6
PATIENT	NA	NA	NM	1.2	29	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	BELOW	BELOW	BELOW	BELOW
PATIENT	NM	NM	0.86	34.9	2.5	4.1	2.9
*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 structure and function. No evidence of right heart enlargement, LV dysfunction or chamber dilation at this time.

Given the signalment, there is still risk for development of ARVC or DCM as this dog ages, and annual screening through echocardiography and holter monitor is recommended. That being said, the typical age of onset for ARVC is 6-8yo making this less likely. As a separate issue, given the recent findings on possible causation of grain free diets and DCM in dogs predisposed to the disease, I would not advise a non-traditional diet in this patient due to potential negative long-term effects.



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No medications are indicated; however, omega fatty acid supplementation may be of some long-term benefit in dogs predisposed to arrhythmias. Monitor for development of a heart murmur, cough, labored breathing, exercise intolerance or collapse episodes.

SPECIES

Canine

No cardiac contraindication for general anesthesia; however, an ECG is recommended.

BREED

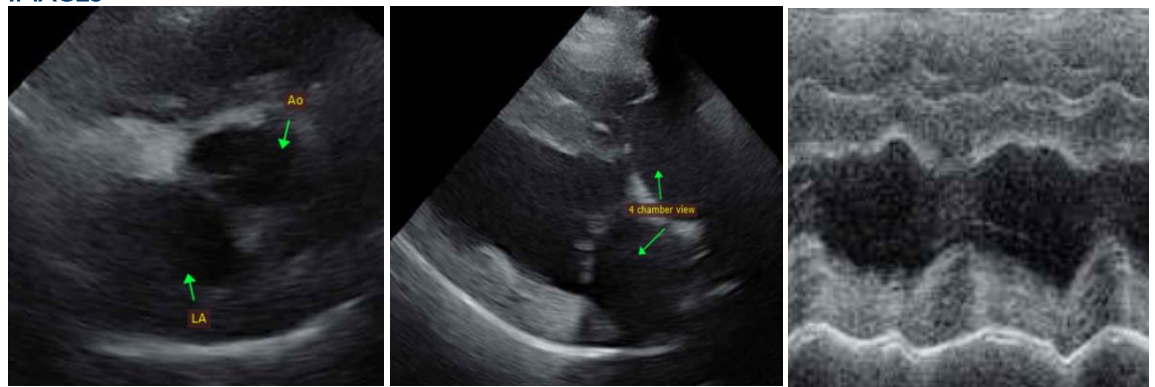
Boxer

Recommend continued annual monitoring through echocardiography, holter/ECG, and/or NT-ProBNP screening, sooner if any development of clinical signs.

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.

IMAGING PERFORMED BY

Erica Harmon

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.

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