



PATIENT

Tadhg MacLaren

SPECIES

Canine

BREED

Irish Water Spaniel

SEX

Male Neutered

AGE

9 years

WEIGHT

31.2kgs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Nigel Gumley, DVM

HOSPITAL NAME

Cedarview Animal
Hospital

REFERRING VET

Dr. Gumley

INVOICE

30095

DATE

4/6/23

PRESENTING CLINICAL SIGNS

History: Recheck echo. Grade 2/6 heart murmur. BP: 121, 130, 125mmHg.
-Current medications: Taurine 1000mg BID, omega 3 FAs, gabapentin 300mg prn.
-Pertinent previous echo findings (10/2021 MML): LV: 4.3/3.2, FS: 26% with decreased septal motion.
LA: 2.8.

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. Trivial mitral regurgitation. No left atrial dilation. No LV dilation with borderline LV function (specifically decreased septal motion). The tricuspid valve appears subjectively normal, with no obvious insufficiency seen. Normal right atrium and ventricle. No overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities; laminar flow. No aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No cardiac or extra-cardiac tumors identified.

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	NA	NA	NM	1.1	25	50	0.36
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	55	1.2	0.96	31.2	2.8	3.7	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

Compared to the prior study, findings are similar. The LV dimensions are stable to slightly decreased comparatively with unchanged systolic dysfunction. The LA is normal, and no additional issues are identified.



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Given that the disease has not changed since its initial diagnosis in 2019, this is consistent with a normal variant. Reasonable to continue periodic rechecks as any decline will warrant therapeutic intervention. Prognosis is open going forward.

SPECIES

Canine

Continue to monitor for development of a heart murmur, cough, labored breathing, exercise intolerance or collapse episodes. Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.

BREED

Irish Water Spaniel

No cardiac contraindication for general anesthesia at this time. Mild IV fluid restriction is advised.

SEX

Male Neutered

PLAN

Continue taurine supplement, 1000mg q8-12h.

Recommend conservative monitoring with a recheck echocardiogram annually, sooner if any clinical signs or heart murmur arises.

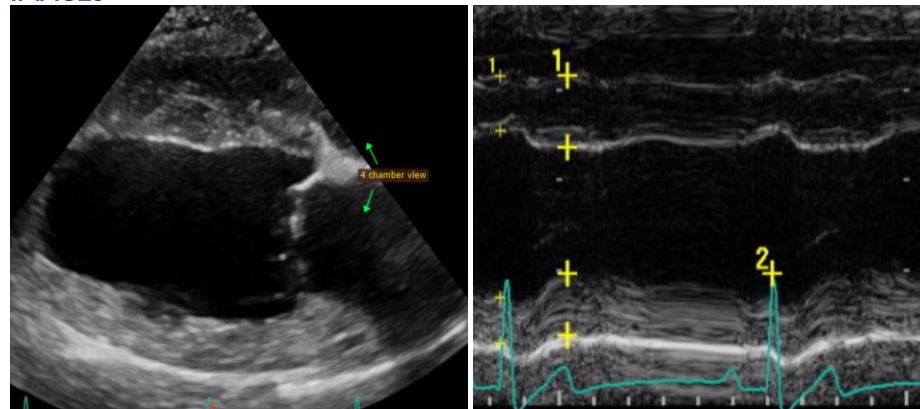
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IMAGES

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Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

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

Nigel Gumley, DVM

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.

HOSPITAL NAME

Cedarview Animal Hospital

REFERRING VET

Dr. Gumley

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