


PATIENT

Teddy Hicks

PRESENTING CLINICAL SIGNS

History: Grade I/VI murmur, asymptomatic. No current meds other than Torb iv for scan.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Mild mitral valve leaflet thickening with no obvious prolapse into the left atrial lumen. Trivial mitral regurgitation is identified. Normal left atrial dimension. Normal LV diameter with normal myocardial function. The tricuspid valve appears subjectively normal. Trace TR. Normal velocity. The right heart is subjectively normal in size and function. No overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are both mildly thickened. The aortic outflow velocity is normal; however, a small insufficiency is identified. Normal pulmonic outflow velocities. Mild pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac shunts. No cardiac tumors observed.

BREED

Goldendoodle

SEX

Male

CARDIAC CHART
AGE

8 weeks

WEIGHT

11.5lbs

INTERPRETED BY

 Maggie Machen Lamy,
 DVM, DACVIM
 (Cardiology)

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	2.0	1.3	1.3	38	70	0.24
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	1.3	1.4	5.2	1.4	2.6	1.6
*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

Several small abnormalities are identified, none of which appear hemodynamically significant. Both the pulmonic and aortic valves are mildly thickened; however, velocity through both great vessels is normal. That being said, a mild stenosis may be masked by sedation and remains a possibility through either valve. Small leaks are appreciated which are hemodynamically insignificant. The overall cardiac dimensions and function appear normal without obvious shunts or other congenital issues. It is important to note that in puppies this small, structural abnormalities can change as the puppy grows. A soft murmur is likely of little concern; however, a stenosis through the aortic or pulmonic valve (if present) may worsen as the puppy ages. Additionally, soft murmurs can also be innocent in nature and resolve after 12 weeks of age.

INVOICE

22644

DATE

2/17/22

REFERRING VET

Dr. Corrado

HOSPITAL NAME

 North Warren Animal
 Hospital

IMAGING PERFORMED BY

Shari Reffi, CVT



PATIENT

Teddy Hicks

Assuming the murmur persists, recommend reassess in 4-6 months to screen for any progressive issues.

SPECIES

Canine

No cardiac medications are indicated at this time. Monitor for any development of cough, labored breathing or exercise intolerance.

No cardiac contraindication for general anesthesia.

BREED

Goldendoodle

Assuming the murmur persists, recommend recheck echocardiogram in 4-6 months. If the intensity increases significantly, and/or clinical signs are noted consider referral to a local Cardiologist as the gold standard.

SEX

Male

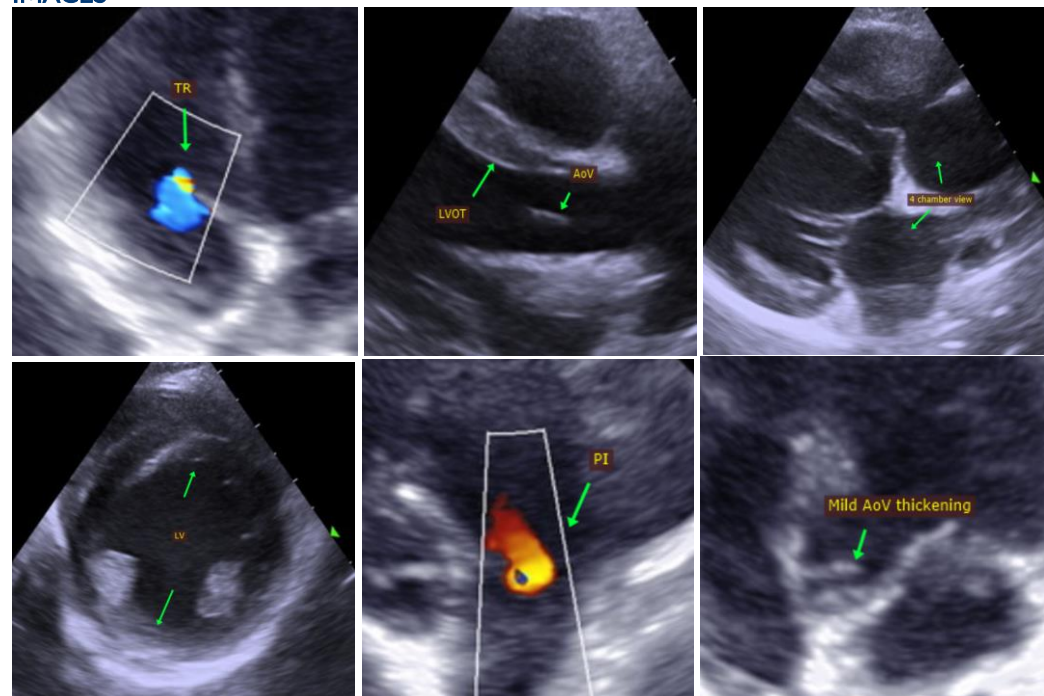
IMAGES

AGE

8 weeks

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INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

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Hospital

REFERRING VET

Dr. Corrado

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.

DATE

2/17/22

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