



**PATIENT**

Abby Lapp

**SPECIES**

Canine

**BREED**

Goldendoodle

**SEX**

Female Spayed

**AGE**

6 years

**WEIGHT**

64lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Ho Ho Kus Veterinary  
Hospital

**REFERRING VET**

Dr. Scott

**INVOICE**

24768

**DATE**

6/14/22

**PRESENTING CLINICAL SIGNS**

History: Recheck echo. Assess prior to anesthesia.

-Pertinent previous echo findings (6/2021 MML): Trace MR, minimal LAE, no LVE, mild AS: 2.7m/s, no AI. LA: 2.7, LV: 4.5.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. Mild mitral valve thickening with no prolapse into the left atrial lumen. Trace mitral regurgitation with minimal left atrial dilation. Normal MR velocity. Normal LV diameter with adequate myocardial function for this breed. Normal LV wall dimensions with no obvious hypertrophy. The tricuspid valve appears normal with no tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic valve is normal in morphology and mobility. Normal pulmonic outflow velocities with laminar flow. No pulmonic insufficiency. Mild diffuse aortic valve thickening; mildly increased LVOT velocity consistent with mild stenosis. No aortic 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	4.8	NA	1.3	1.3	31	58	0.47
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	102	2.6	1.3	29.0	2.5	4.2	2.9
*Normal chamber parameters expressed as a mean value (SD)							
<b>BODY WEIGHT DEPENDENT PARAMETERS</b>							
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>							
	3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)			
	5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)			
	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 unchanged. Mildly elevated aortic outflow velocities are noted through a mildly thickened aortic valve. No insufficiency, LV hypertrophy or other progressive changes are identified. Trace MR is similar to previous, and the overall cardiac dimensions and function are unremarkable.



**PATIENT**

Abby Lapp

No cardiac medications remain indicated at this time. Continue to monitor as previously discussed, for collapse episodes, labored breathing or exercise intolerance. Avoid nontraditional diets lifelong.

**SPECIES**

Canine

Anesthetic risk is low. Avoid heart rate stimulating drugs such as atropine or glycopyrrolate unless clinically indicated.

**BREED**

Goldendoodle

Recommend recheck echocardiogram annually, sooner if any clinical signs arise.

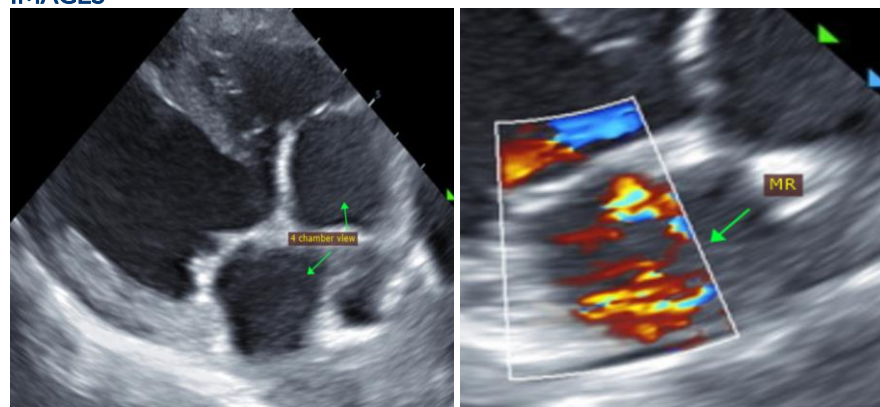
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**IMAGES**

**AGE**

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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**

Kelly Vazquez, CVT

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.

**Maggie Machen Lamy, DVM**  
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