



**PATIENT**

Toby Geraghty

**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

Neutered Male

**AGE**

13 Weeks

**WEIGHT**

Not Provided

**INTERPRETED BY**

Laurent Locquet, DVM  
MRCVS GPCert (VC)  
Diplomate ECVIM-CA

**IMAGING PERFORMED BY**

Rebecca Hamilton

**HOSPITAL NAME**

Marsh AH

**REFERRING VET**

Dr. Armani

**INVOICE**

35864

**DATE**

2/16/26

**PRESENTING CLINICAL SIGNS**

History: Auscultated murmur grade 1

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

<b>CANINE CARDIAC PARAMETERS</b>	<b>MR VMAX</b> (m/s)	<b>TR VMAX</b> (m/s)	<b>LA/AO</b> (M-Mode)	<b>LA/AO</b> (Heart Base; Swe)	<b>FS</b> (%)	<b>EF</b> (%)	<b>EPSS</b> (cm)
<b>NORMAL PARAMETER</b>	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
<b>PATIENT</b>	--	--	NM	1.01	39	73	0.29
<b>CANINE CARDIAC PARAMETERS</b>	<b>HR</b> (BPM)	<b>AV VMAX</b> (m/s)	<b>PV MAX</b> (m/s)	<b>BODY WEIGHT</b> (kg)	<b>LAD</b> LA MAX 4 Chamber	<b>LVIDd</b> Avg; 2D and m-mode short axis (cm)	<b>LVIDs</b> Avg; 2D and m-mode short axis (cm)
<b>NORMAL PARAMETER</b>	50-100	0.7-1.7	0.7-1.6				
<b>PATIENT</b>	--	2.01	1.12	--	21 mm	2.72	1.79

**Cardiac Presentation**

The left atrial size expressed both in the LA/AO ratio and LA-MAX was normal. Chamber volumes and echogenicity were normal. The mitral valve leaflets presented no abnormalities. Trivial mitral valve regurgitation was noted. There was no evidence of chordae tendineae rupture or mitral valve prolapse. The left ventricle presented with normal wall thicknesses, a linear contour, and was neither dilated nor restricted. The myocardium showed normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. Contractility of the ventricular walls was adequate and within the normal range for this patient, supported by fractional shortening measurements and subjective evaluation of all myocardial regions. The LVOT demonstrated normal laminar flow and normal structural integrity. The right atrium and auricle revealed normal size, structure, and content. No masses or chamber overload were identified. Tricuspid valve assessment demonstrated a normal valvular structure with no signs of thickening or insufficiency on 2D or color Doppler. The right ventricle was normal in size (approximately one-third of LV diameter), with normal myocardial wall thickness and echogenicity. The pulmonary tract revealed normal valve structure and a normal diameter. Pulmonic insufficiency was noted. No pericardial or pleural effusion was noted. No echocardiographically detectable evidence of infiltrative disease was present. The cranial mediastinal and pericardial regions were free of visible masses.

**ULTRASONOGRAPHIC FINDINGS**

- Normal echocardiogram



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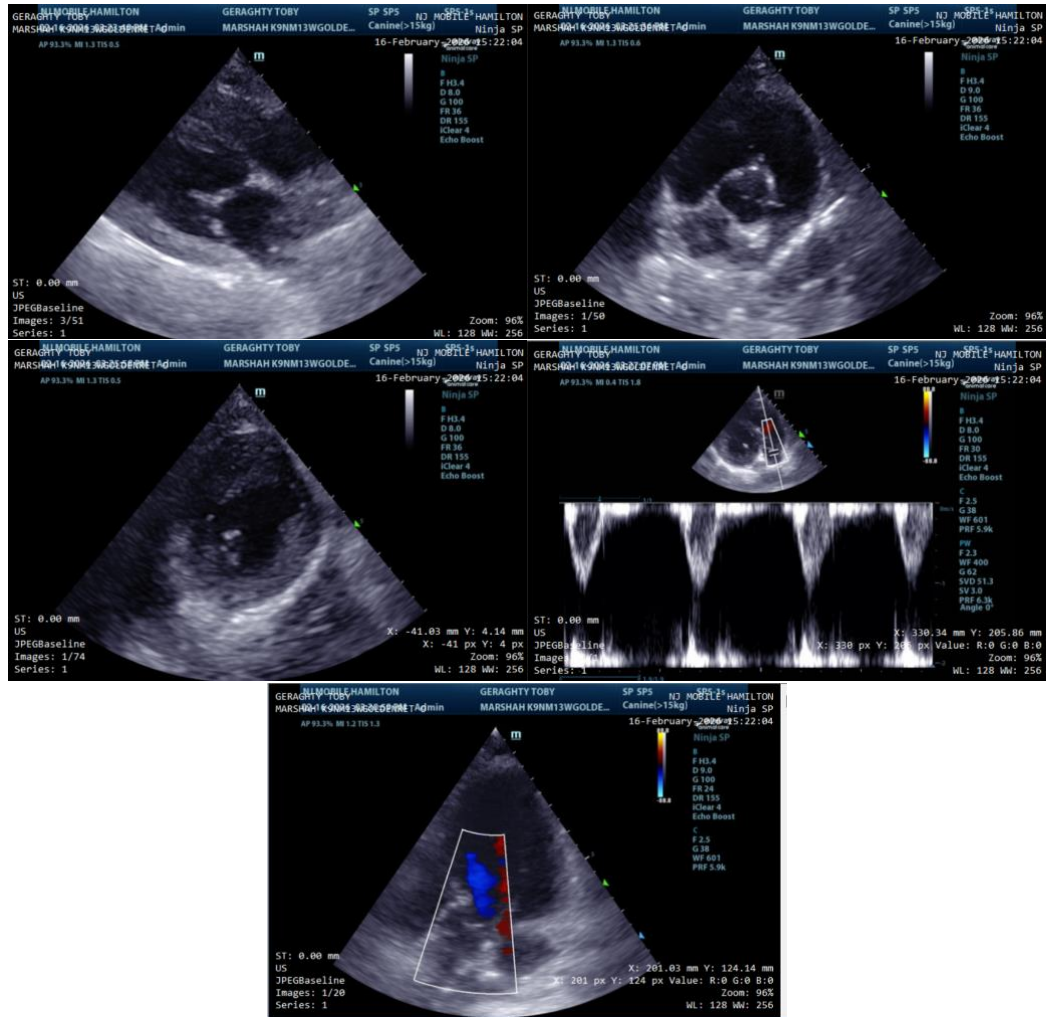
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- Trivial mitral valve regurgitation
- Pulmonic insufficiency

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No rechecks are necessary, unless there are concerns.



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

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**Laurent Locquet, DVM MRCVS GPCert (VC) Diplomate ECVIM-CA**



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[info@SonoPath.com](mailto:info@SonoPath.com)

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