



**PATIENT**

Bentley Urgiles

**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

Male

**AGE**

1.2 years

**WEIGHT**

68.4lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

Englewood  
Veterinary Center

**REFERRING VET**

Dr. Erik

**INVOICE**

32153

**DATE**

8/4/23

**PRESENTING CLINICAL SIGNS**

History: Elevated R wave amplitude and possible cardiomegaly on chest radiographs.

**RADIOGRAPHIC FINDINGS \*NOTE: Images submitted for supplemental cardiac information only.**

Mild cardiomegaly. No obvious evidence of CHF.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. Normal mitral valve leaflets with no prolapse into the left atrial lumen. Trace central mitral regurgitation with a normal left atrial dimension. Normal LV diameter with adequate myocardial function for this signalment. The tricuspid valve appears normal with trace tricuspid regurgitation. Normal velocity. 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. Normal pulmonic and aortic outflow velocities with laminar flow. No obvious aortic and trace pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

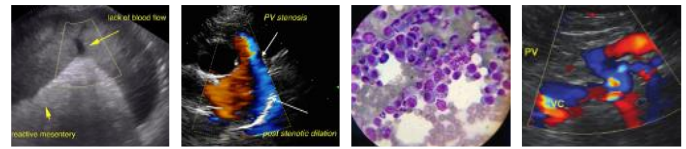
**CARDIAC CHART**

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	NM	2.3	NM	1.2	27	50	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	1.5	1.0	31.0	2.5	4.4	3.2
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
<b>BODY WEIGHT DEPENDENT PARAMETERS</b>				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
*Note: All measurements based upon multi-modal images and methods. An average value is reported.				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 dimensions and function, with no obvious dysfunction or dilation of the left heart. Trace MR, TR and PI are hemodynamically insignificant as the valve morphology is largely unremarkable. Follow up is advised should a murmur be ausculted in the future. No congenital defects are visualized.

Given these findings, the radiographic appearance is likely a normal variant. These films should be used as a baseline for future comparison. That being said, the mismatch between radiographic



**PATIENT**

Bentley Urgiles

appearance and echo findings is more significant than is typical, and reassessment is recommended in 6 months to ensure no underlying issues were missed.

**SPECIES**

Canine

Monitor for development of a heart murmur, cough, labored breathing, exercise intolerance or collapse episodes.

**BREED**

Golden Retriever

A recheck echocardiogram is recommended in 1 year to ensure no additional abnormalities are identified, sooner if a murmur or clinical signs arise.

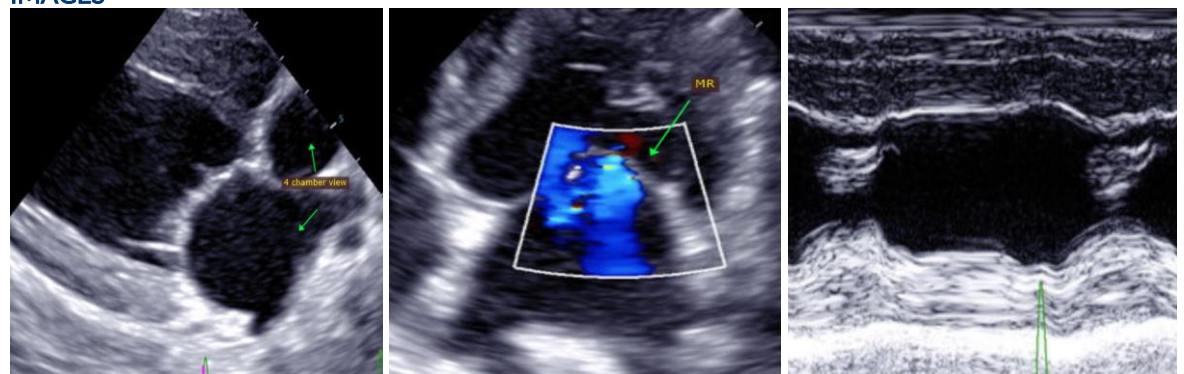
**SEX**

Male

**AGE**

1.2 years

**IMAGES**



**WEIGHT**

68.4lbs

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.

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

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.

**IMAGING PERFORMED BY**

Jessica Miller, RDMS

Maggie Machen Lamy, DVM  
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)  
info@sonopath.com

**HOSPITAL NAME**

Englewood  
Veterinary Center

**REFERRING VET**

Dr. Erik

**INVOICE**

32153

**DATE**

8/4/23