

**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT**  
Baxter Mull

History: Severe periodontal disease History of IMHA in 2018 with no clear cut trigger, vaccinations were done months prior and o stated that the vaccine made Baxter feel bad for 6 months and IMHA occurred. History of low grade heart murmur

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Reference lab bloodwork Hct 36%- nonregenerative anemia platelets 140,000 but platelet clumping verified on blood film low CREA hyperglobulinemia with hypoalbuminemia and elevated total protein eosinophilia, lymphopenia cholesterol low low glucose but sample not centrifuged prior to sending to lab HR - 100bpm BP - 111, 132 MAP

**BREED**

Miniature Schnauzer

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

**SEX**

Neutered male

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

**AGE**

14 yrs

**WEIGHT**

12.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS,  
CEO of SonoPath.com

**IMAGING PERFORMED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**HOSPITAL NAME**

Veterinary Dental Care

**REFERRING VET**

Dr. Shannon

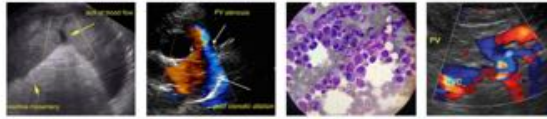
**INVOICE**

32341

**DATE**

8/16/22

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			1.15	1.2	35	80	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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		1.2	0.8	12.6 lbs	2.5 max	2.0	



**PATIENT      ULTRASONOGRAPHIC FINDINGS**

Baxter Mull      Normal echocardiogram.

**SPECIES      INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Canine      There was no evidence of pathology.

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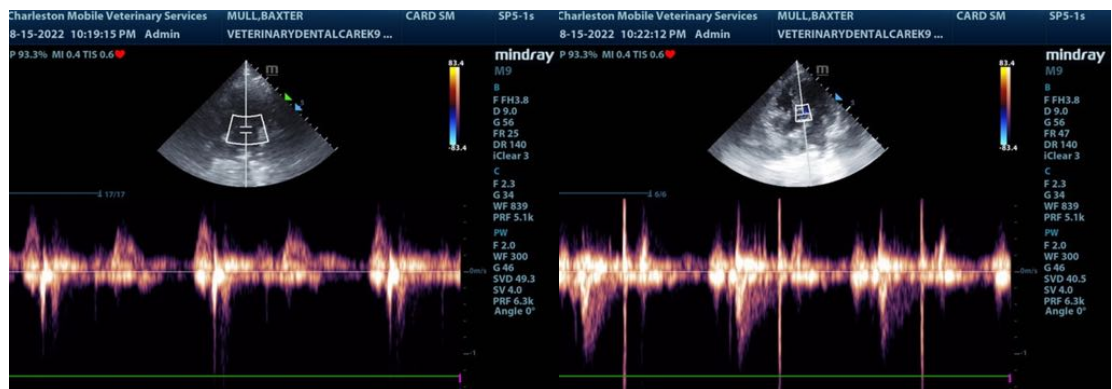
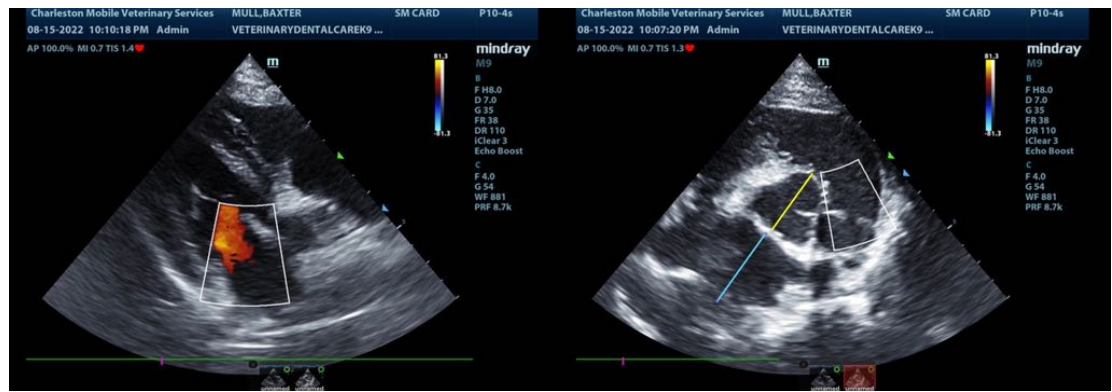
Dr. Shannon

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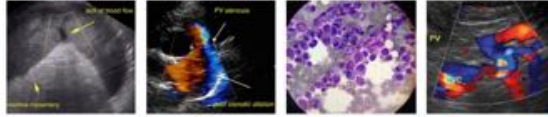
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



**PATIENT**

Baxter Mull

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.

**SPECIES**

Canine

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

Info@SonoPath.com

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