



**PATIENT PRESENTING CLINICAL SIGNS**

**Buck Caton** History: Came in for labored breathing. Radiographs show widened mediastinum.  
 Abnormal PE/Chem/CBC/UA Results: heart worm negative, cbc/chem=wnl

**SPECIES BREED** **ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Canine

Labrador

Neutered male

9 years

78 lbs

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

Dr. Gotfredson

Buffalo VC

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Trivial **mitral** valve insufficiency was noted. 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.

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	<1.3	28-40	40-100	<0.6
PATIENT			1.0	1.3	30	90	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				
PATIENT	80	1.2		78 lbs	3.7	3.5	

**REFERRING VET ULTRASONOGRAPHIC FINDINGS**

Dr. Gotfredson Normal cardiac presentation with trivial mitral insufficiency. .

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

30411

5/17/22

The cause of labored breathing is not cardiogenic in this patient. Treatment based on pulmonary findings on the radiographs or other causes of labored breathing such as orthopedic pain or abdominal disease should be considered.



**PATIENT**

Buck Caton

**SPECIES**

Canine

**BREED**

Labrador

**SEX**

Neutered male

**AGE**

9 years

**WEIGHT**

78 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Gotfredson

**HOSPITAL NAME**

Buffalo VC

**REFERRING VET**

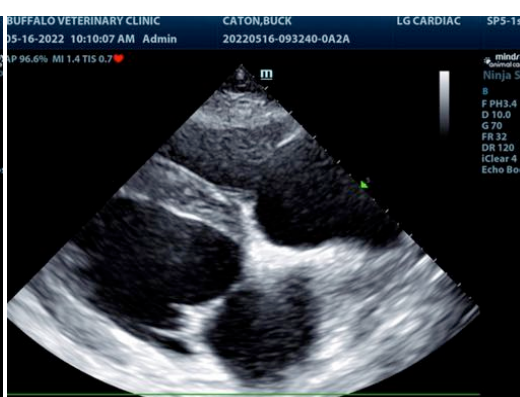
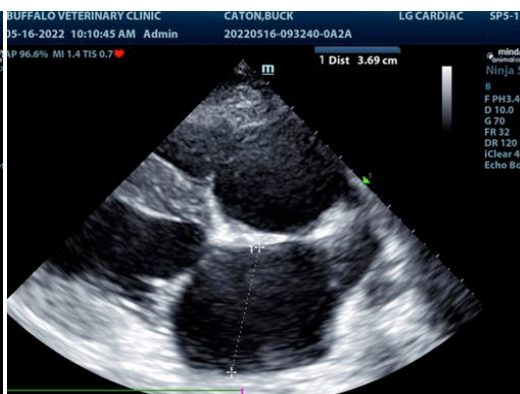
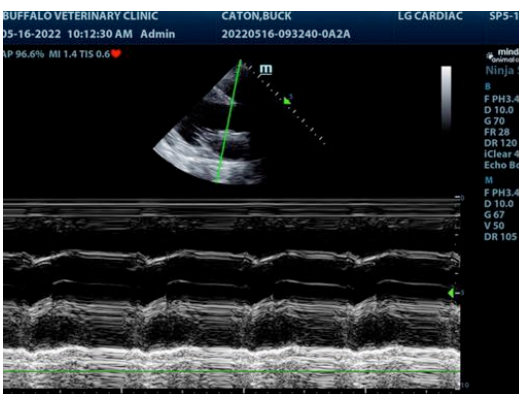
Dr. Gotfredson

**INVOICE**

30411

**DATE**

5/17/22



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.

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