



PATIENT PRESENTING CLINICAL SIGNS

Bleu Macaskill

History: Recent history of decreased exercise tolerance and increase in panting. He has been on a grain free diet for several years.

SPECIES

Abnormal PE/Chem/CBC/UA Results: NT-Pro BNP 1750 (0-900) on 5/26/23 all other parameters normal. Repeat testing pending.

Canine

BREED

Border Collie

SEX

Neutered male

AGE

6 years

WEIGHT

60 lbs

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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. Minor **tricuspid** insufficiency was noted, yet not clinically significant. 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.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. McGee

HOSPITAL NAME

Bridgeport AH

REFERRING VET

Dr. McGee

INVOICE

45937

DATE

7/6/23

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base;)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	-	-	1.1	1.5	35	65	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	70	1.2	0.5	60 lbs	3.58	3.04	



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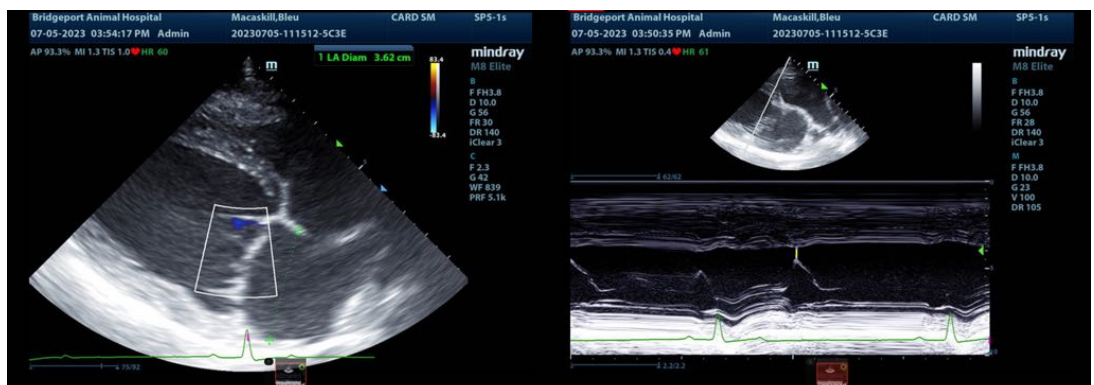
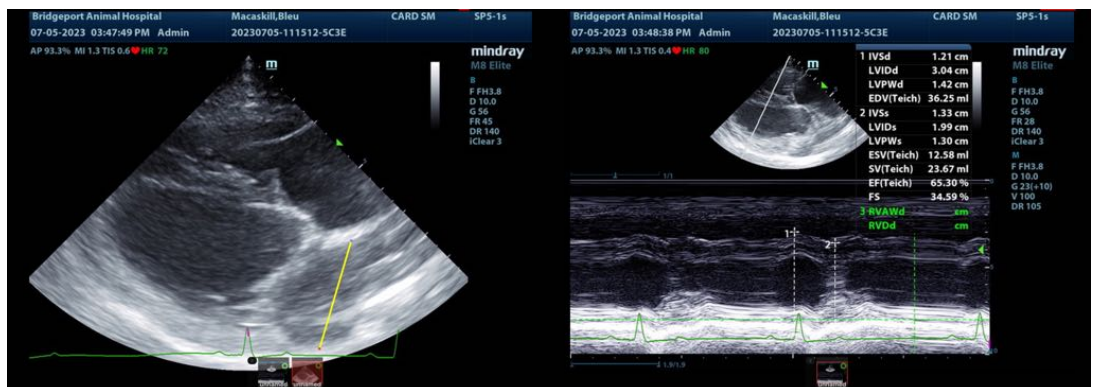
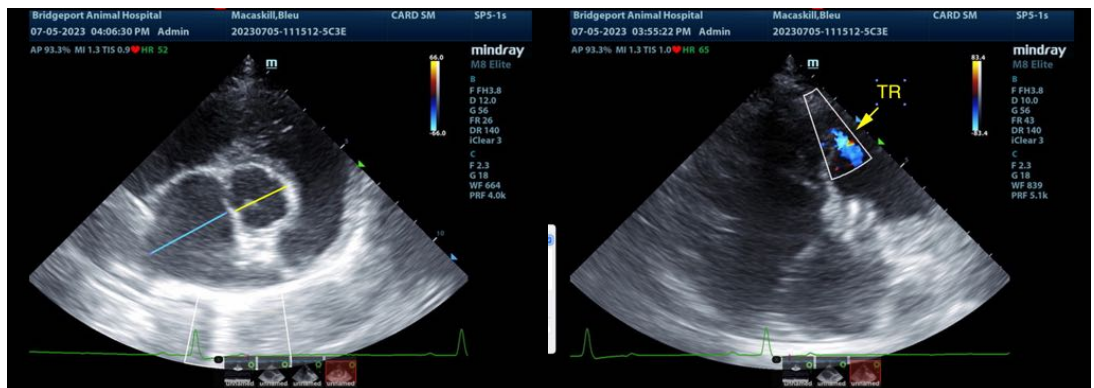
ULTRASONOGRAPHIC FINDINGS

Minor tricuspid insufficiency, clinically insignificant.

Normal echocardiogram, no evidence of cardiac pathology.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No therapy is recommended at this time. Exercise intolerance does not appear to have a primary cardiac source; however, thyroid assessment is recommended if not already performed. Holter monitor may be appropriate to assess for paroxysmal arrhythmia. Blood pressure assessment as well as orthopedic pain to exercise intolerance could also be playing a role. Contractility and volumes appear to be normal.





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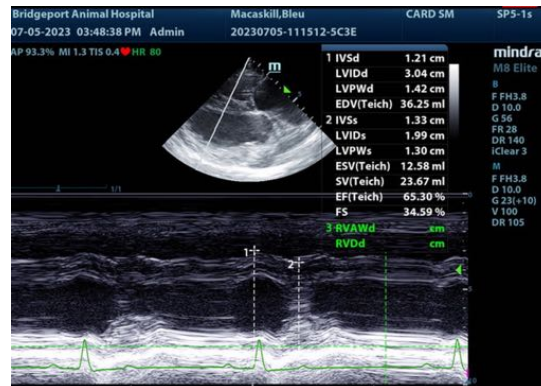
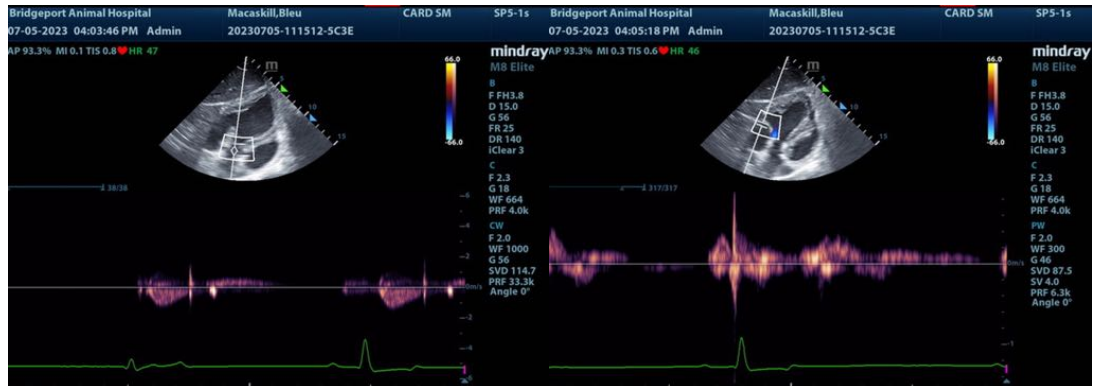
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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