



PATIENT

Chloe Owen

SPECIES

Canine

BREED

Maltese

SEX

Spayed Female

AGE

13 Years

WEIGHT

18 Pounds

PRESENTING CLINICAL SIGNS

Chronic cough No heart murmur Would like to rule out pulmonary hypertension as cause of cough
Abnormal PE/Chem/CBC/UA Results: Rads - bronchointerstitial pattern Coccidiomycosis titer
negative Bloodwork unremarkable

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	1.43	44	78	0.1
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	100	1.2	0.9		2.98	2.16	

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gudrun Gunther

HOSPITAL NAME

New Frontier AMC

REFERRING VET

Dr. Gudrun Gunther

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Minor eccentric **mitral** insufficiency 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. Minor **tricuspid** insufficiency noted. 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.

ULTRASONOGRAPHIC FINDINGS

- Trivial mitral and tricuspid insufficiency, not clinically significant

INVOICE

38188

DATE

6/1/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of volume overload. Primary respiratory protocol recommended, given the patient history. The respiratory signs are non-cardiogenic.



PATIENT

Chloe Owen

SPECIES

Canine

BREED

Maltese

SEX

Spayed Female

AGE

13 Years

WEIGHT

18 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUS

IMAGING PERFORMED BY

Dr. Gudrun Gunther

HOSPITAL NAME

New Frontier AMC

REFERRING VET

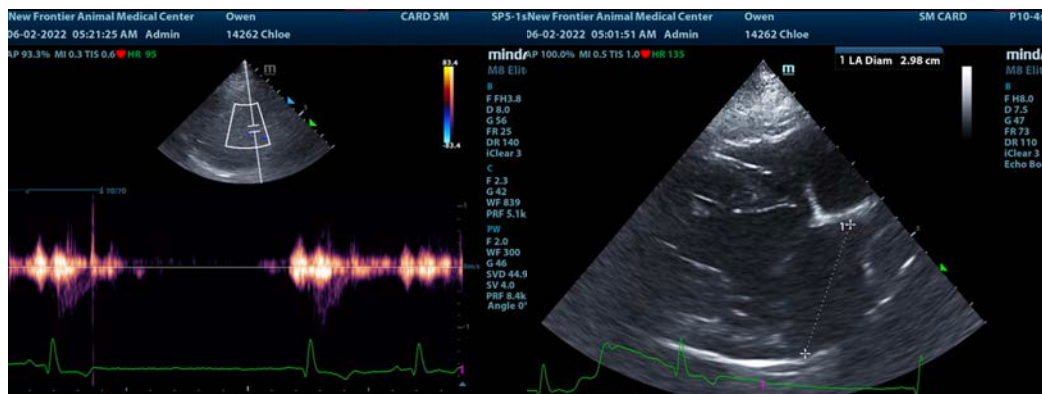
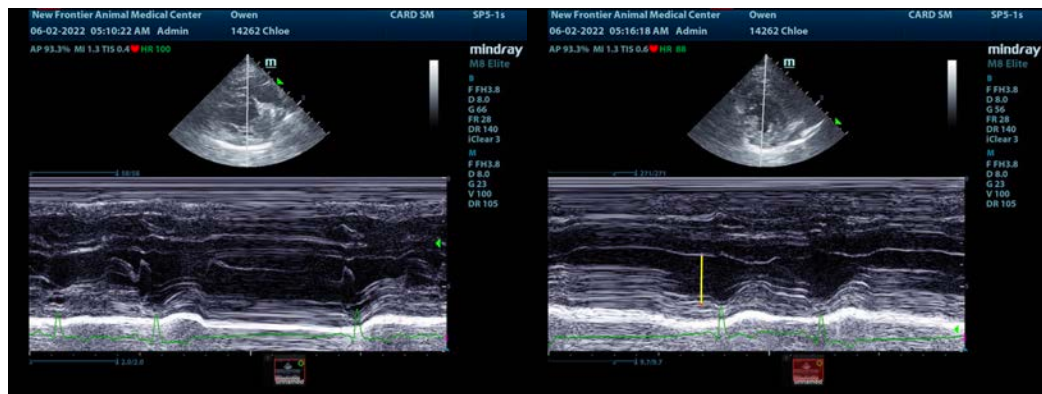
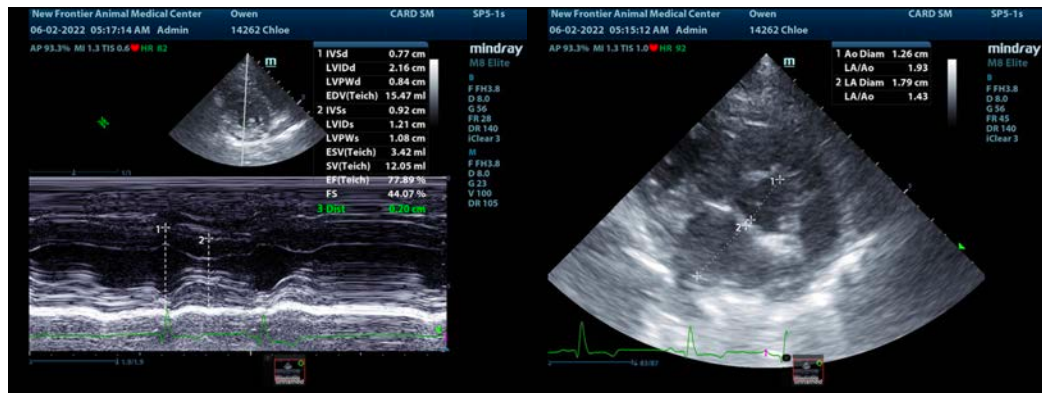
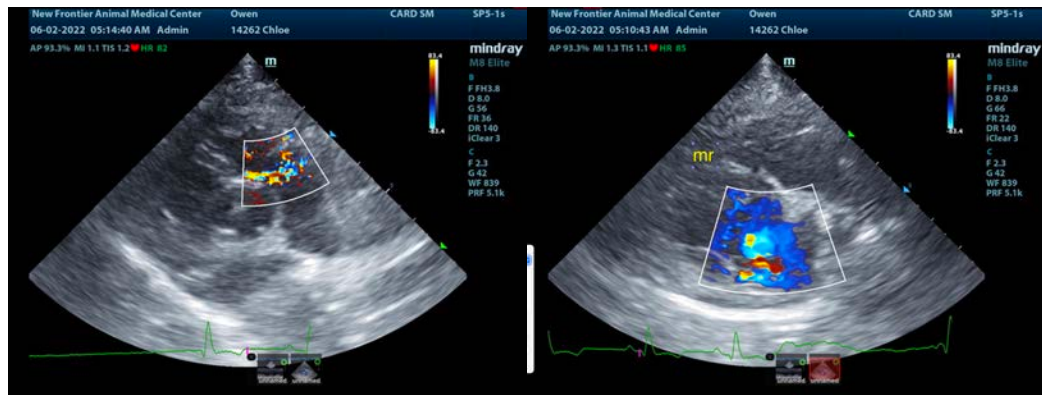
Dr. Gudrun Gunther

INVOICE

38188

DATE

6/1/22





PATIENT

Chloe Owen

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.

SPECIES

Canine

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

BREED

Maltese

SEX

Spayed Female

AGE

13 Years

WEIGHT

18 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gudrun Gunther

HOSPITAL NAME

New Frontier AMC

REFERRING VET

Dr. Gudrun Gunther

INVOICE

38188

DATE

6/1/22