



PATIENT PRESENTING CLINICAL SIGNS

Blue Patton
Hx of grade III/VI R systolic murmur

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

West Highland White Terrier

SEX

Intact Male

AGE

14 Weeks

WEIGHT

7.4 Pounds

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		35	90	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	90	1.1	1.1		1.8	1.8	

Cardiac Presentation

The echocardiogram presented a prominent **right heart** with mild **right ventricular** hypertrophy, without significant **tricuspid** regurgitation, and normal **right atrial** size. No evidence of neoplasia was noted in the right auricle, or elsewhere in the heart. **Pulmonic** insufficiency noted at 3.0 m/sec. No overt heartworms were noted in the main or visible deep pulmonary arteries. Yet, theoretically heartworms could be present in the deep pulmonary vasculature out of visible sonographic range. More likely, however, this prominent right heart is due to excessive intra-thoracic pressures caused by chronic respiratory disease or potentially excessive intra-thoracic fat (Pickwickian syndrome). The **left heart** demonstrated a linear **ventricular septum**. Contractility was functionally adequate demonstrated by the FS% measurement. The **mitral valve** was not significantly insufficient and no significant **left atrial** dilation was noted. The **left ventricular outflow** demonstrated normal flow patterns and velocities through the aortic valve. No evidence of tumor, pericardial or pleural effusion was noted. Large amount of extrathoracic fat noted in the cranial mediastinum. No evident arrhythmic activity was noted during the exam.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Adrienne Waffle

HOSPITAL NAME

Torch Lake VC

REFERRING VET

Dr. Adrienne Waffle

ULTRASONOGRAPHIC FINDINGS

- Mild pulmonic insufficiency, compensated at this time

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INVOICE

40009

DATE

8/1/22

Based on image set provided, this is not clinically significant at this time. Recommend rechecking echocardiogram in 3 months if the murmur is persistent.



PATIENT

Blue Patton

SPECIES

Canine

BREED

West Highland White Terrier

SEX

Intact Male

AGE

14 Weeks

WEIGHT

7.4 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Adrienne Waffle

HOSPITAL NAME

Torch Lake VC

REFERRING VET

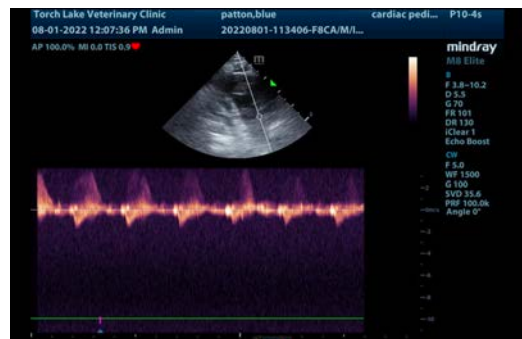
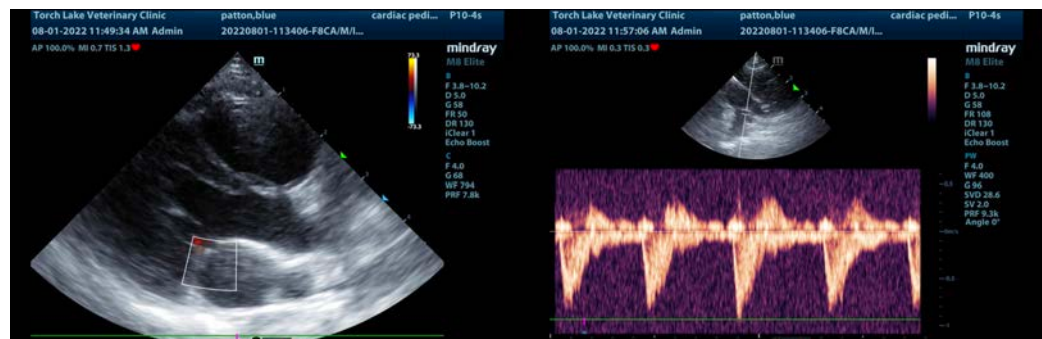
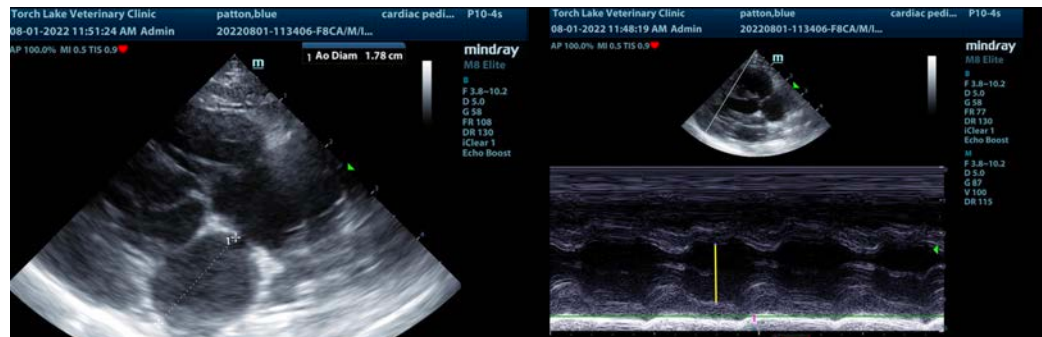
Dr. Adrienne Waffle

INVOICE

40009

DATE

8/1/22



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