



PATIENT

PRESENTING CLINICAL SIGNS

Buster Wentworth

History: Presented one week ago due to a progressive cough, worse with exertion, lethargy and increased respiratory effort. Severe cardiomegaly, dorsal deviation of the trachea, perihilar pulmonary infiltrates and pleural effusion noted on thoracic radiographs. Started on Pimobendan 7.5 mg BID, Furosemide 62.5 mg BID.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: mucus membrane pallor, increased inspiratory effort noted last week has improved today, persistent gallop rhythm, CBC, chemistry, T4, urine dipstick, WNL.

BREED

Mix

SEX

Neutered male

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated global hypocontractility and myocardial insufficiency. Mitral and tricuspid insufficiency is present. The EPSS is significant excessive. The left ventricular and left atrial volume overload are excessive. Trace pericardial effusion was noted. Pulmonary hypertension is present, yet the hepatic veins were not dilated. Therefore, right sided failure is not present. The left ventricular septum and free wall were thinned. This is most consistent with dilated cardiomyopathy

AGE

12 years

WEIGHT

60 lbs

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	5.5	3.5	1.6	2.0	20	42	3.0
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				60 lbs	5.63 max	5.53	

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Green

HOSPITAL NAME

Healing Spirit Animal Wellness

REFERRING VET

Dr. Green

ULTRASONOGRAPHIC FINDINGS

DCM with left-sided failure.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Other causes such as myocarditis and taurine deficiency should be considered. Diet should be assessed to ensure that grain free diet is not being utilized. Quadra therapy is warranted as well as Pimobendan at 0.3 mg/kg b.i.d., Lasix at 2-4 mg/kg b.i.d. and ace inhibitor at 0.5 mg/kg s.i.d. progressing to b.i.d. and Spironolactone at 1-2 mg/kg b.i.d. Taurine supplementation can be considered. I recommend a Holter monitor. Recheck echocardiogram is recommended in 2 weeks.

INVOICE

94502

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12/10/21



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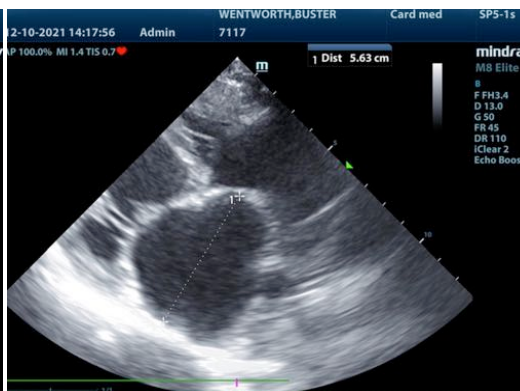
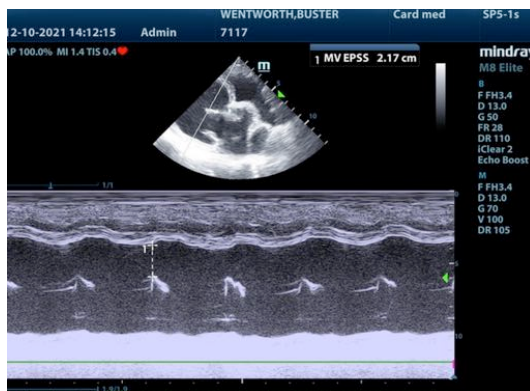
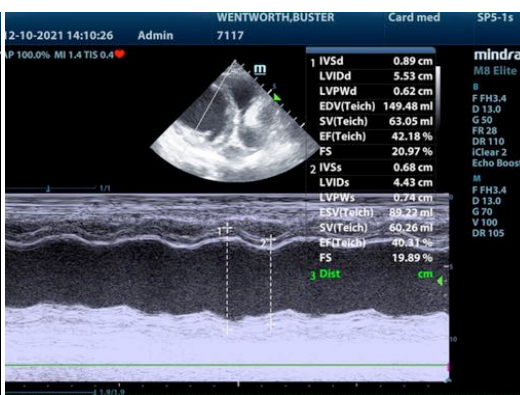
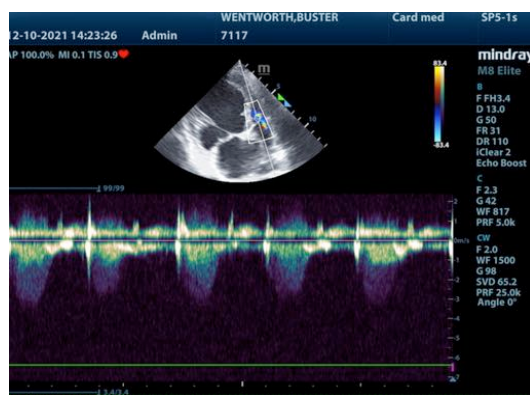
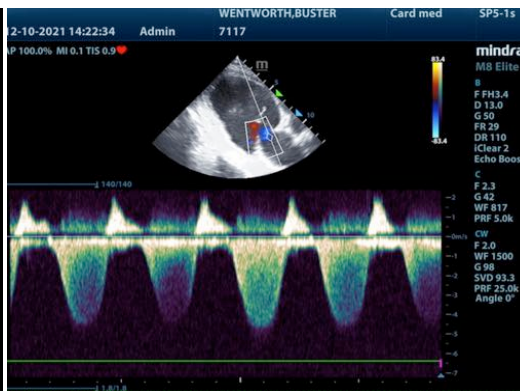
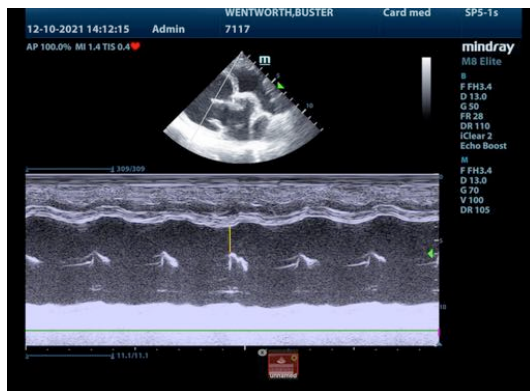
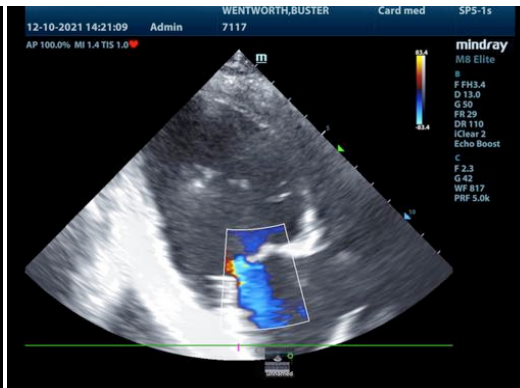
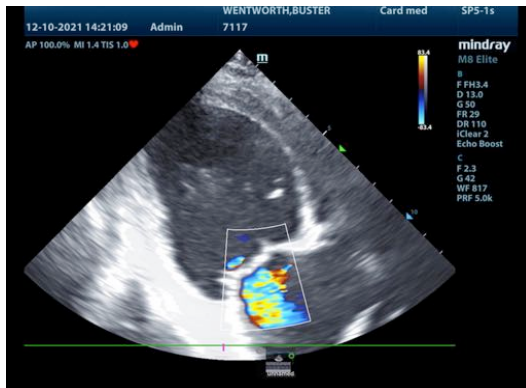
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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