



PATIENT PRESENTING CLINICAL SIGNS

Buster Westin History: Left sided cardiomegaly via Rad Review
 Abnormal PE/Chem/CBC/UA Results: BP 135/113(121),146/87(104),122/83(96).

SPECIES BREED SEX AGE WEIGHT
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine
 Mix
 Neutered male
 9 years
 50 lbs

The echocardiogram in this patient demonstrated enlarged **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated measurable insufficiency. 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 or chamber overload. Minor **tricuspid** insufficiency was noted. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** 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. No echographically detectable evidence of infiltrative disease was visible. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

JK

HOSPITAL NAME

Hamburg VC

REFERRING VET

Dr. DenHeyer

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	5.0		1.5	2.0	53	84	NM
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	BELOW	BELOW	BELOW	BELOW
PATIENT	150	1.5	1.02	50 lbs	5.4 max	4.58	

ULTRASONOGRAPHIC FINDINGS

INVOICE Advanced stage B2 valvular disease.
 31908 Mitral insufficiency and mild left atrial enlargement.

DATE

7/25/22



PATIENT

Buster Westin

SPECIES

Canine

BREED

Mix

SEX

Neutered male

AGE

9 years

WEIGHT

50 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

JK

HOSPITAL NAME

Hamburg VC

REFERRING VET

Dr. DenHeyer

INVOICE

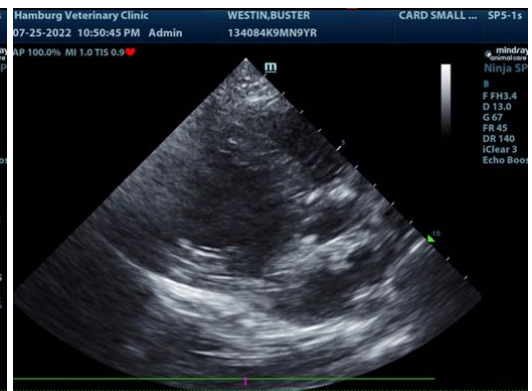
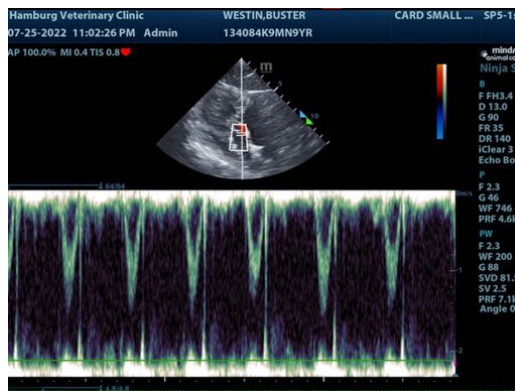
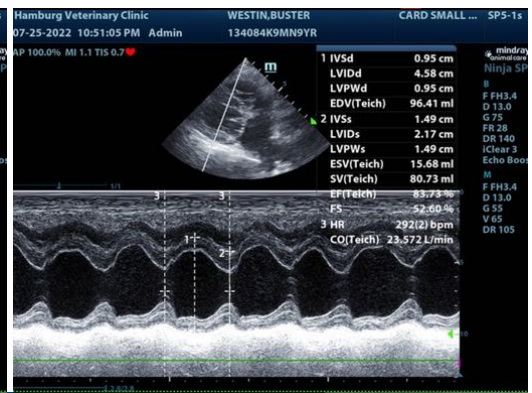
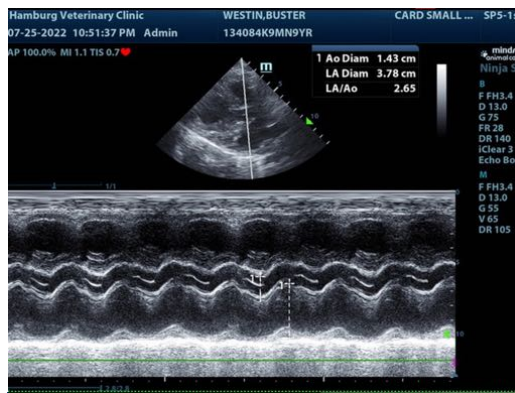
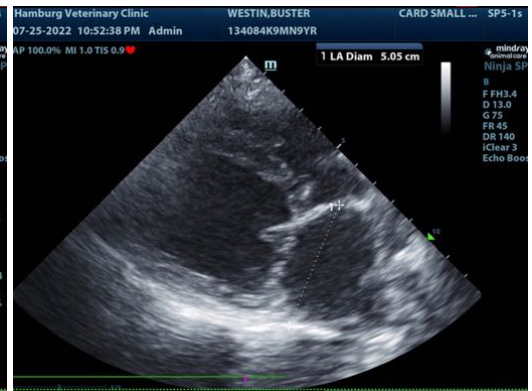
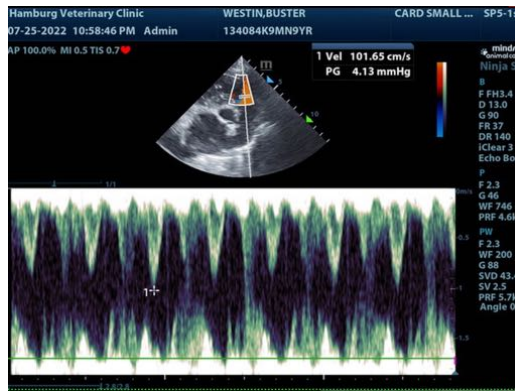
31908

DATE

7/25/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If blood pressure measurements are elevated in this patient then ace inhibitor therapy is indicated. Pimobendan is indicated at 0.3 mg/kg b.i.d. Spironolactone and ace inhibitor combination could be considered. Spironolactone at 1-2 mg/kg b.i.d., ace inhibitor is recommended at 0.5 mg/kg s.i.d. progressing to b.i.d. Recheck echocardiogram is recommended in 3-4 weeks or earlier if clinical signs initiate.





PATIENT

Buster Westin

SPECIES

Canine

BREED

Mix

SEX

Neutered male

AGE

9 years

WEIGHT

50 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

JK

HOSPITAL NAME

Hamburg VC

REFERRING VET

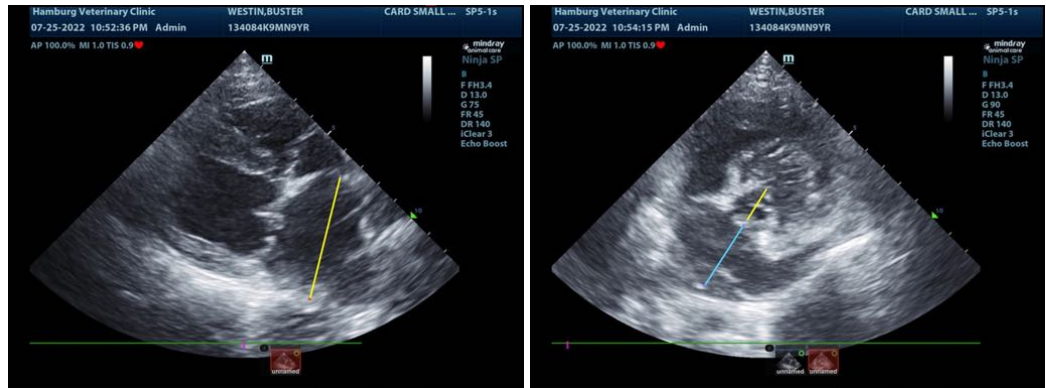
Dr. DenHeyer

INVOICE

31908

DATE

7/25/22



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