



PATIENT PRESENTING CLINICAL SIGNS

Kirby Beetz History: Recent murmur noted. 2-3/6
Abnormal PE/Chem/CBC/UA Results: N/A

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Mastiff

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 **aortic velocity** was mildly excessive at 3.0 m/sec. Color flow demonstrated turbulence at the aortic valve. Color flow revealed aortic insufficiency as well. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. 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.

SEX

Male

AGE

5 Years

WEIGHT

218 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

A.Rodriguez

HOSPITAL NAME

Foxfiled VS

REFERRING VET

A.Rodriguez

INVOICE

91421

DATE

8/23/21

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			1.1	1.4	51	82	0.1
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	110	3.0	1.4	218 lbs	4.32 max	4.94	

ULTRASONOGRAPHIC FINDINGS

- Mild increased in LVOT with secondary aortic insufficiency.



PATIENT

Kirby Beetz

SPECIES

Canine

BREED

Mastiff

SEX

Male

AGE

5 Years

WEIGHT

218 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

A.Rodriguez

HOSPITAL NAME

Foxfield VS

REFERRING VET

A.Rodriguez

INVOICE

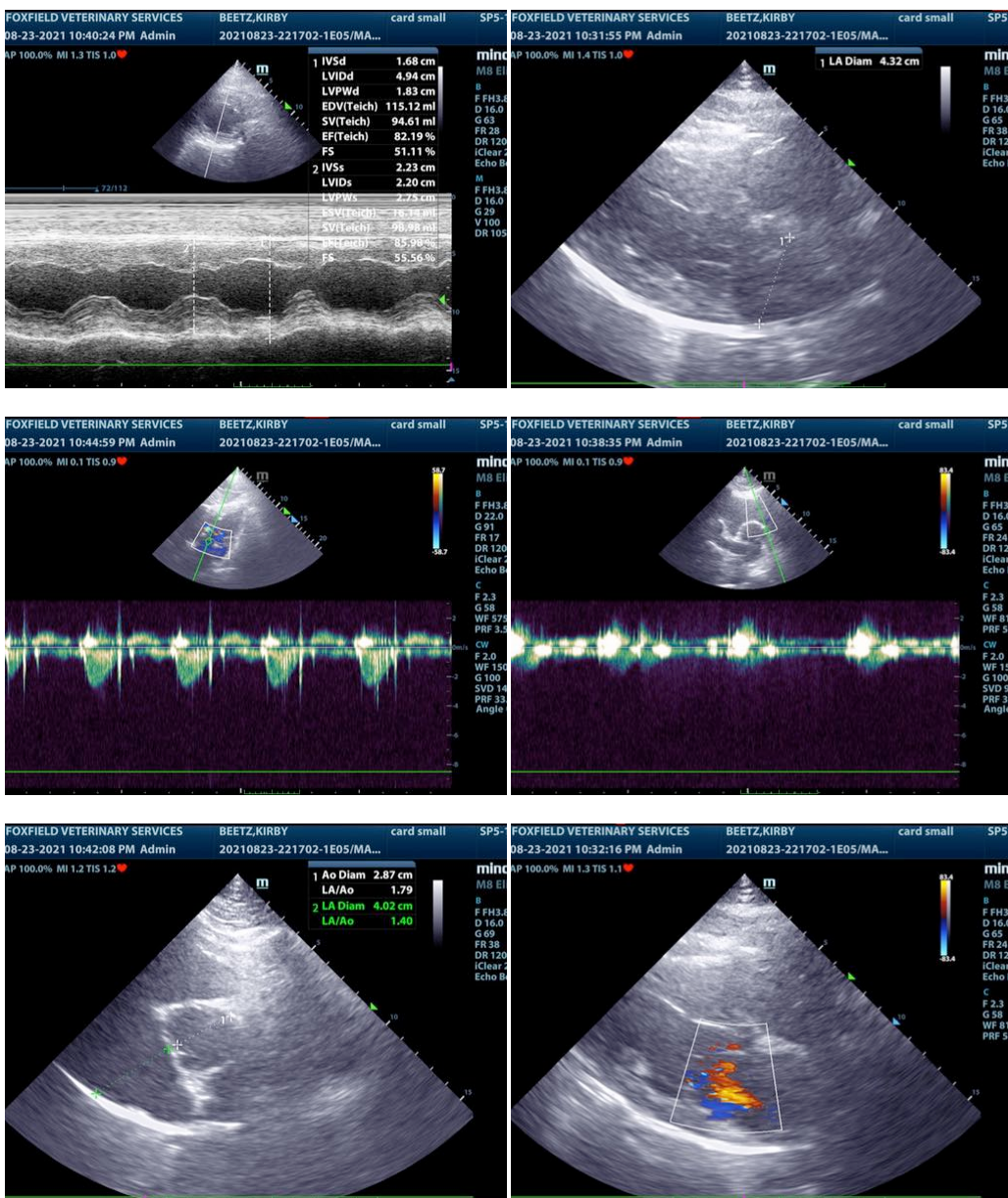
91421

DATE

8/23/21

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is a minor potential that this patient has a minor form of subaortic stenosis. Otherwise, primary aortic valve disease with secondary insufficiency is likely, yet not clinically significant. No therapy is warranted. A recheck echocardiogram is recommended in a year. The respiratory interference was noted owing to the excitement of the patient. Future imaging is likely in this patient's best interest to have sedation to optimize Doppler evaluation. However, there was no evidence of clinical disease.





PATIENT

Kirby Beetz

SPECIES

Canine

BREED

Mastiff

SEX

Male

AGE

5 Years

WEIGHT

218 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

A.Rodriguez

HOSPITAL NAME

Foxfield VS

REFERRING VET

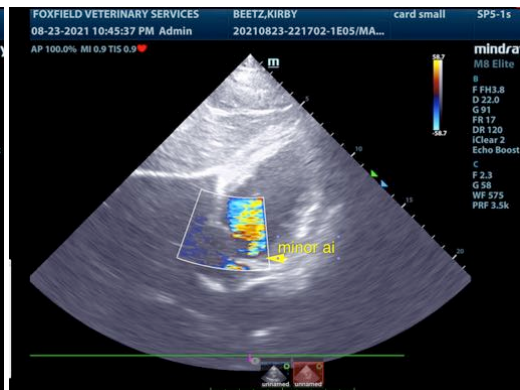
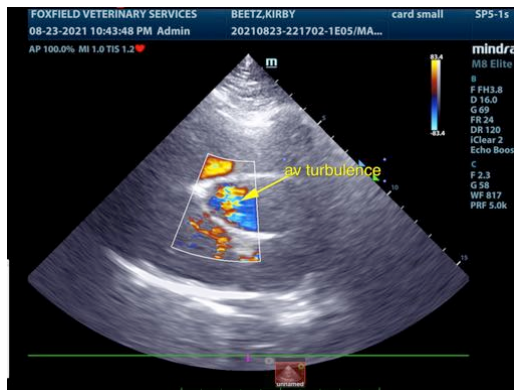
A.Rodriguez

INVOICE

91421

DATE

8/23/21



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