



PATIENT

Kodiak Tilstra

SPECIES

Canine

BREED

Boxer

SEX

Neutered Male

AGE

11 Years 7 Months

WEIGHT

50 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sarah Green

HOSPITAL NAME

Healing Spirit AW

REFERRING VET

Sarah Green

INVOICE

17436

DATE

9/24/22

PRESENTING CLINICAL SIGNS

History: Presented due to gingivitis/ stomatitis. New murmur (grade 3/6 left apical systolic) ausculted on exam. No coughing or exercise intolerance. Thoracic radiographs/ ECG WNL. Scan performed to r/o occult disease prior to anesthesia

Abnormal PE/Chem/CBC/UA Results: severe gingivitis/ stomatitis, murmur as noted above.

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	<1.3	28-40	40-100	<0.6
PATIENT	6.0	--	1.9	2.0	--	--	0.2
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				
PATIENT	--	--	1.00	--	5.5	5.8	--

Cardiac Presentation

The echocardiogram for this patient presented excessive **left atrial size** expressed both in the LA/AO and LA max measurements Chamber volumes and echogenicity were normal. The mitral valve presented slight prolapse of the anterior leaflet. 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. **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.

ULTRASONOGRAPHIC FINDINGS

- Stage B-2 valvular disease



PATIENT

- Volume overload of the left atrium and left ventricle

Kodiak Tilstra

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

This change is consistent with stage B-2 valvular disease. Blood pressure measurements are recommended. If systolic pressure is >160, then Ace-Inhibitor is indicated. Pimobendan is indicated at 0.3 mg/kg BID. There is mild anesthetic risk. I recommend treatment with Pimobendan for 5-7 days with reevaluation of BUN, creatinine, blood pressures and general exam. Torbutrol (premed), propofol (induction) and isoflurane(maintenance) would be recommended protocol.

Canine

BREED

Boxer

Assessment of BUN, creatinine, USG, chest radiographs and blood pressure as well as clinical exam is ideal in 7-10 days. Basal respiratory rate should be <20/min.

SEX

Neutered Male

AGE

11 Years 7 Months

WEIGHT

50 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sarah Green

HOSPITAL NAME

Healing Spirit AW

REFERRING VET

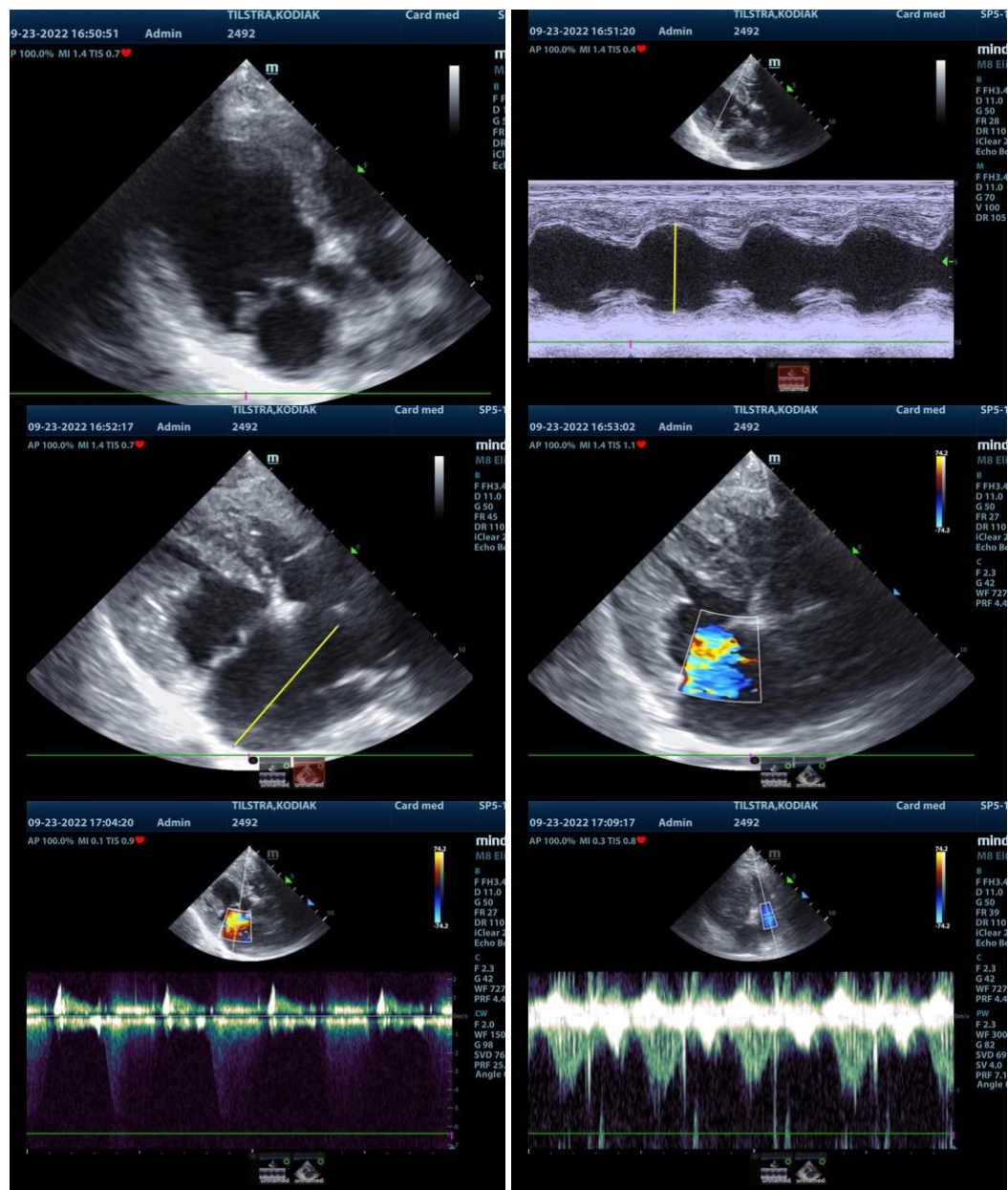
Sarah Green

INVOICE

17436

DATE

9/24/22





PATIENT

Kodiak Tilstra

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.

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.

BREED

Boxer

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

SEX

Neutered Male

AGE

11 Years 7 Months

WEIGHT

50 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Sarah Green

HOSPITAL NAME

Healing Spirit AW

REFERRING VET

Sarah Green

INVOICE

17436

DATE

9/24/22