



PATIENT

Maui King

SPECIES

Canine

BREED

Boxer

SEX

Spayed Female

AGE

5 years

WEIGHT

70 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Cascade AC

REFERRING VET

Dr. Rosen

DATE

12/8/21

Invoice

94403

PRESENTING CLINICAL SIGNS

History: Lower energy over the summer with the heat. 10/19/21 when patient presented for sudden onset of white gums briefly. Came in for BP, ECG and chest films. There were some abnormal heartbeats. Blood Pressure Measurements 249/144, 111/84, 196/79, 239/146, 193/109

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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. Mild aortic insufficiency was noted in this patient. 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. Occasional arrhythmia was noted causing elevated LVOT velocities from a compensatory standpoint.

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	1.07	30	80	0.14
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	110	2.0	1.05	70 lbs	3.03	2.66	



PATIENT **ULTRASONOGRAPHIC FINDINGS**

Maui King Structurally normal heart with occasional arrhythmia.
Minor aortic insufficiency, suspect arrhythmogenic cardiomyopathy.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

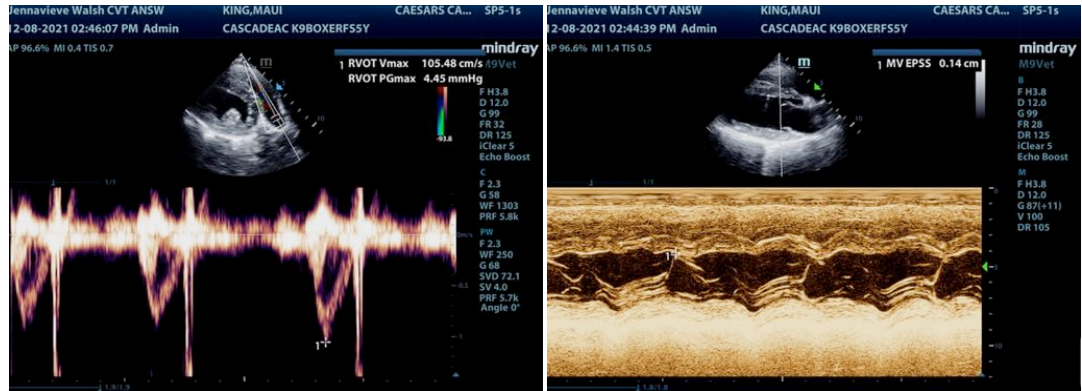
BREED

Boxer

I recommend a Holter monitor in this patient with cardiologist review. Structurally and functionally the heart is normal from an echocardiogram standpoint. Given the hypertension in the history if “white coat effect” was a non-factor then abdominal sonogram is recommended to assess for causes of hypertension particularly that with the adrenal glands or kidneys.

SEX

Spayed Female



AGE

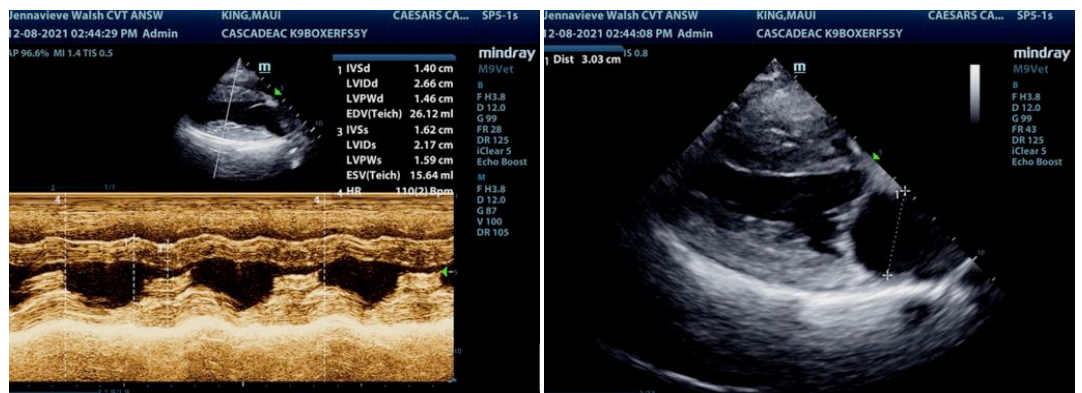
5 years

WEIGHT

70 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Cascade AC

REFERRING VET

Dr. Rosen

DATE

12/8/21

Invoice

94403



PATIENT

Maui King

SPECIES

Canine

BREED

Boxer

SEX

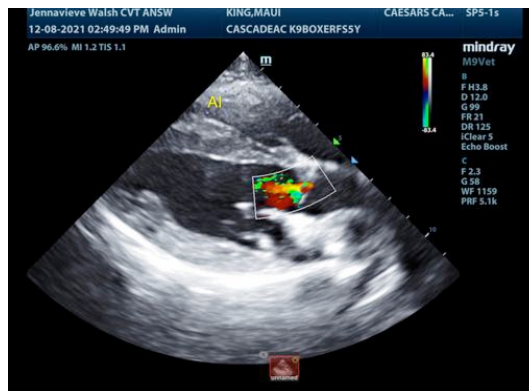
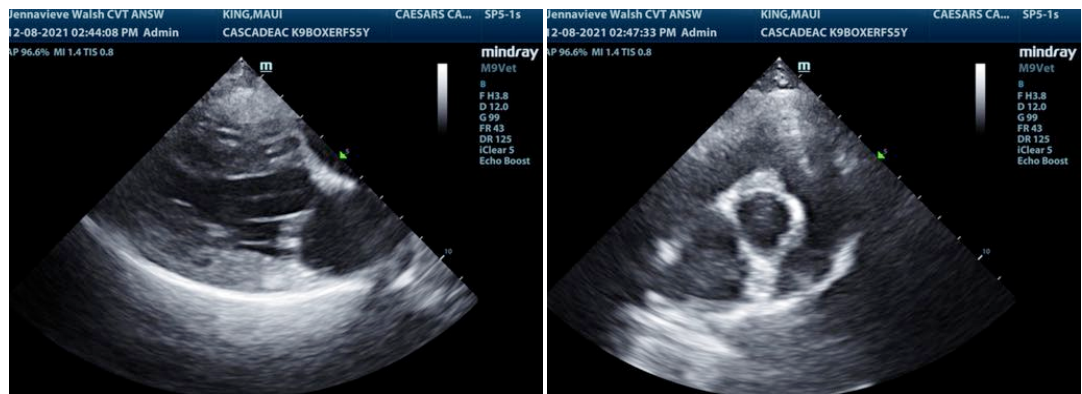
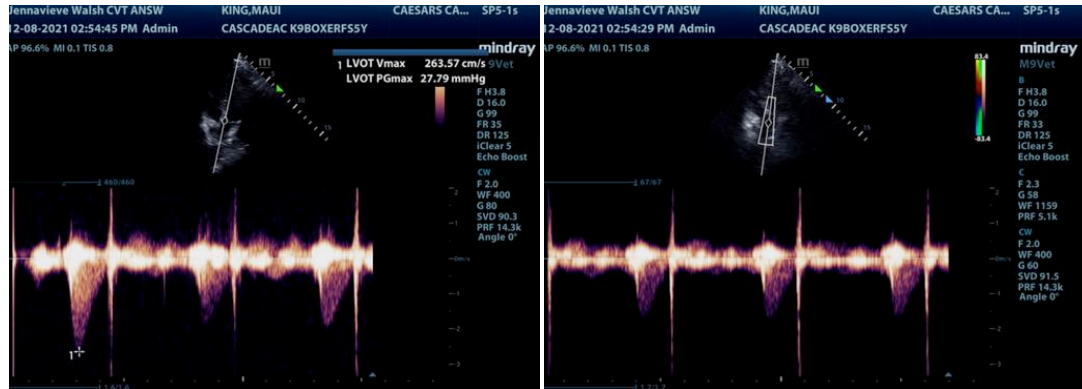
Spayed Female

AGE

5 years

WEIGHT

70 lbs



INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Cascade AC

REFERRING VET

Dr. Rosen

DATE

12/8/21

Invoice

94403

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



PATIENT

CEO of Sonopath.com

Maui King

Eric.Lindquist@SonoPath.com

SPECIES

Canine

BREED

Boxer

SEX

Spayed Female

AGE

5 years

WEIGHT

70 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Jenna Walsh, CVT

HOSPITAL NAME

Cascade AC

REFERRING VET

Dr. Rosen

DATE

12/8/21

Invoice

94403