



PATIENT PRESENTING CLINICAL SIGNS

Sky Yeh

History: Heartworm positive. Current meds: Doxycycline 100mg

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

Mix

SEX

Spayed female

AGE

3 years

WEIGHT

51.1 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING
PERFORMED BY

Shari Reffi CVT

HOSPITAL NAME

Summit Dog and Cat
Hospital

REFERRING VET

Dr. Lepkowski

INVOICE

46671

DATE

8/17/23

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 **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. Mild tricuspid insufficiency was noted with slightly prominent right atrium with a 1:1 ratio with the left atrium in four chamber long axis. The pulmonary artery was dilated with pulmonic insufficiency. Deep pulmonary artery did not reveal any overt adult heartworm; however, heartworm in the deep pulmonary vasculature is probable given the patient's history and the radiographic findings. The hepatic veins were not dilated and there was no evidence of secondary heart failure.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base;)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT			1.13	1.4			0.27
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		1.9	1.25	51.1 lbs	2.74		

ULTRASONOGRAPHIC FINDINGS

Pulmonic insufficiency with cor pulmonale secondary to chronic respiratory changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No cardiac therapy is recommended at this time. Primary treatment for Dirofilaria/heartworm infestation is indicated. Recheck echocardiogram is recommended in 1-3 months depending on response to therapy.



PATIENT

Sky Yeh

SPECIES

Canine

BREED

Mix

SEX

Spayed female

AGE

3 years

WEIGHT

51.1 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Shari Reffi CVT

HOSPITAL NAME

Summit Dog and Cat
Hospital

REFERRING VET

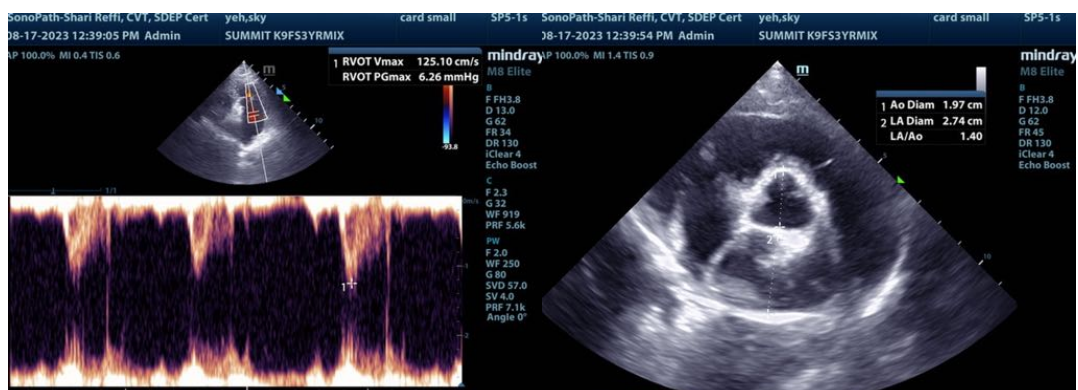
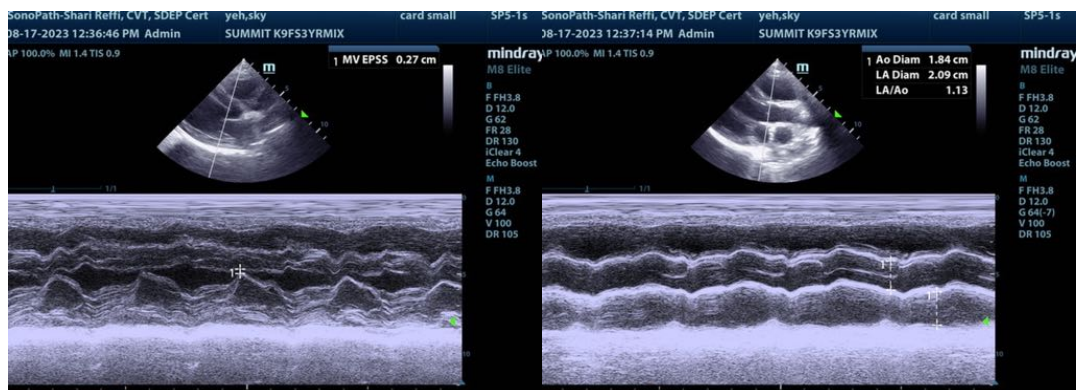
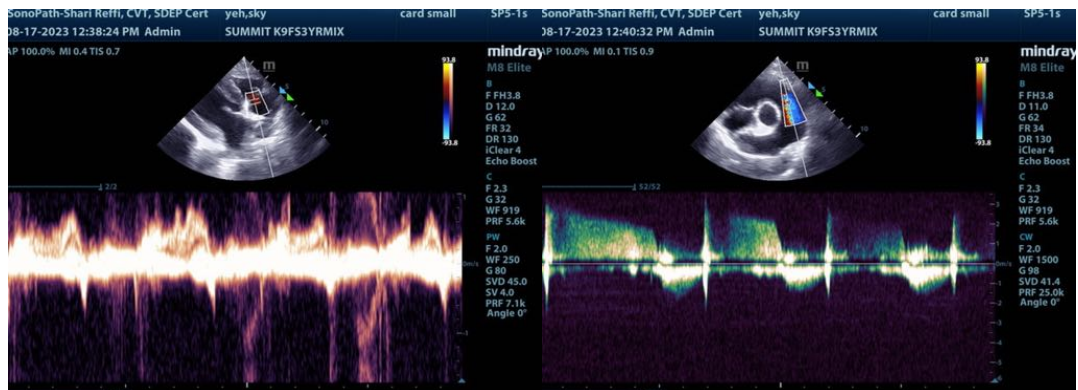
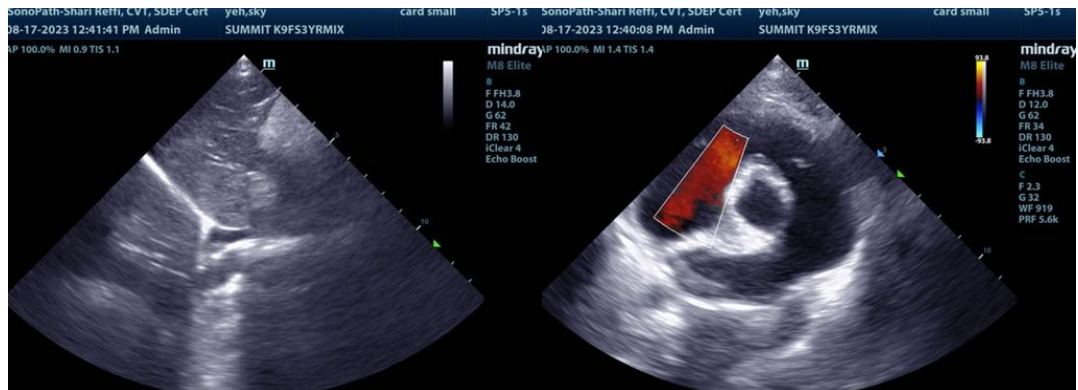
Dr. Lepkowski

INVOICE

46671

DATE

8/17/23





PATIENT

Sky Yeh

SPECIES

Canine

BREED

Mix

SEX

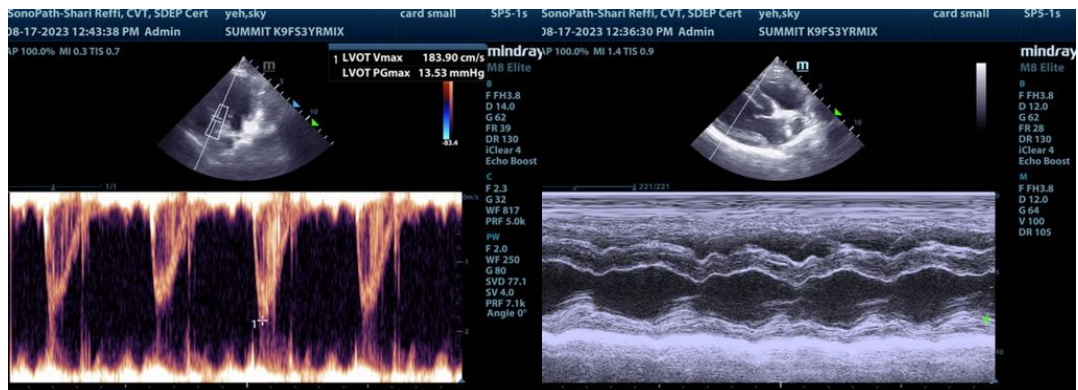
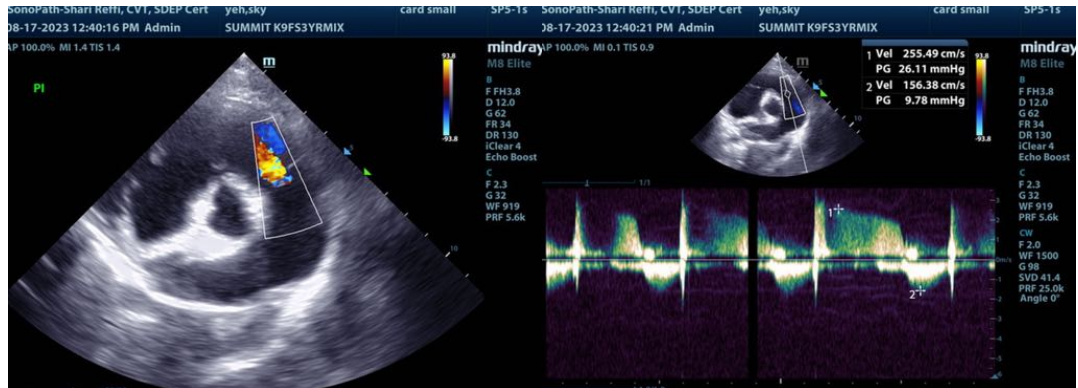
Spayed female

AGE

3 years

WEIGHT

51.1 lbs



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi CVT

HOSPITAL NAME

Summit Dog and Cat
Hospital

REFERRING VET

Dr. Lepkowski

INVOICE

46671

DATE

8/17/23

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