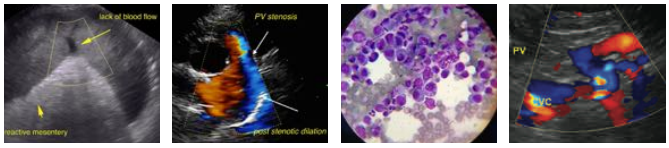
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Tete Dougherty

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Intact male

AGE

14 years

WEIGHT

20 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

VCA Blairstown AH

REFERRING VET

Dr. Harker

INVOICE

31078

DATE

6/20/22

PRESENTING CLINICAL SIGNS

History: Pre-anesthetic CUS to evaluate heart function prior to mass removal on tail. Current meds: Rimadyl, Enrofloxacin

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated enlarged **left atrial** size based on 3 different LA measurement methods. Complete filling of the left atrium was noted on color flow assessment. The LA max was the best evaluation of the left atrial size in this patient. Chamber volumes and echogenicity were normal. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Prolapse of the mitral valve leaflet was noted. 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** valvular assessment demonstrated adequate linear morphology. 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.

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	5.75		1.44	1.41	34	64	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				
PATIENT	156	1.05	0.67	20 lbs	3.43 max	3.77	

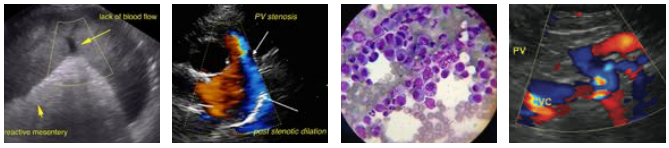
ULTRASONOGRAPHIC FINDINGS

Mitral valve prolapse and insufficiency.

Mild left atrial enlargement.

Stage B2 valvular disease.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Tete Dougherty

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Intact male

AGE

14 years

WEIGHT

20 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

VCA Blairstown AH

REFERRING VET

Dr. Harker

INVOICE

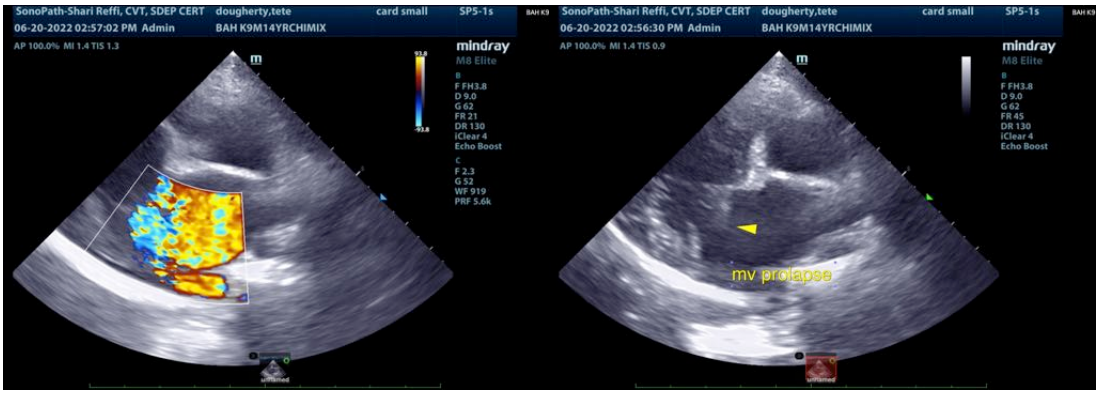
31078

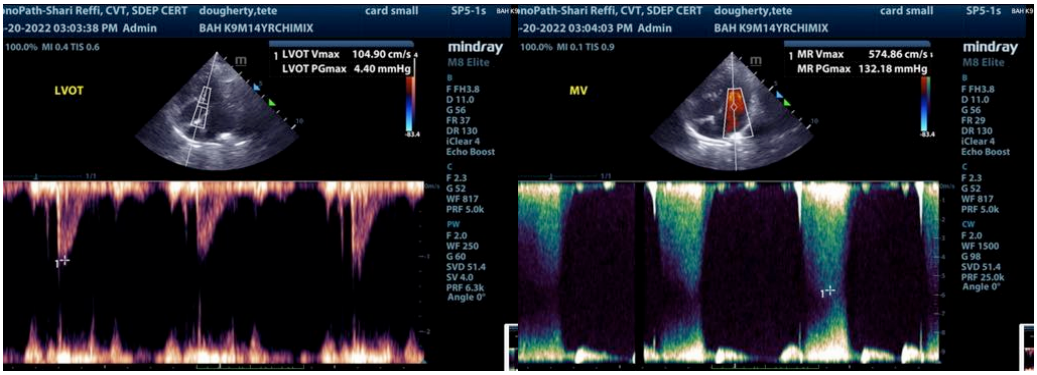
DATE

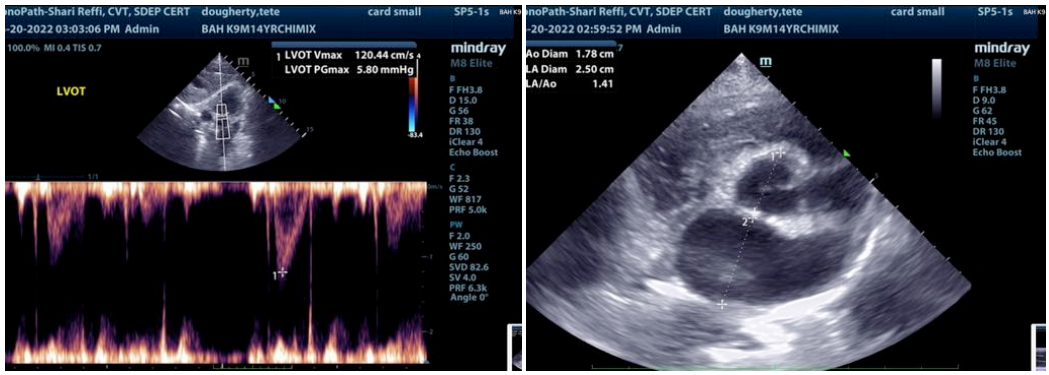
6/20/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

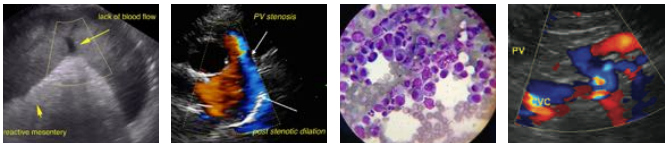
There is mild to moderate anesthetic risk in this patient. I recommend blood pressure measurements and initiating Pimobendan at 0.3 mg/kg b.i.d., ace inhibitor at 0.5 mg/kg s.i.d. and Spironolactone at 1-2 mg/kg b.i.d. I recommend reassessment of the echocardiogram in 10 days after BUN, creatinine and urine specific gravity and clinical exam follow-up. The prolapse is concerning in this patient. Eventual anesthetic procedure in this patient would involve Torbutrol premed, Propofol induction, and Isoflurane maintenance.







SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Tete Dougherty

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Intact male

AGE

14 years

WEIGHT

20 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

VCA Blairstown AH

REFERRING VET

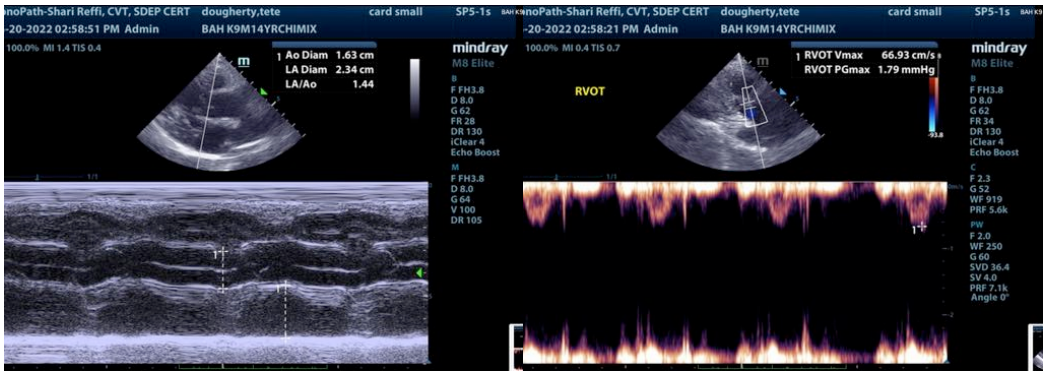
Dr. Harker

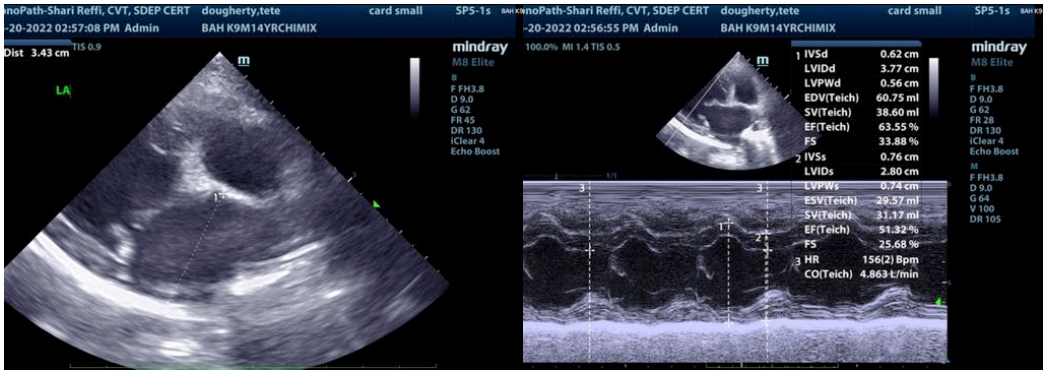
INVOICE

31078

DATE

6/20/22





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