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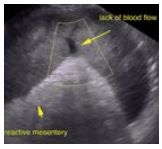
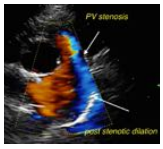
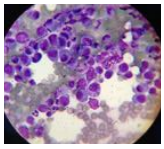
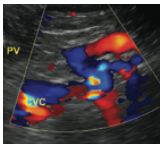

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1-800-838-4268 info@sonopath.com

PATIENT
Baci Ryan

SPECIES
Canine

BREED
Yokrie

SEX
Male

AGE
15 years

WEIGHT
10.8 lbs

INTERPRETED BY
Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Jessica Miller, RDMS

HOSPITAL NAME
All Creatures Great and Small

REFERRING VET
Dr. Ashmore

INVOICE
31599

DATE
7/12/22

PRESENTING CLINICAL SIGNS

History: CHF Dx on rads 6/25/22 Current meds: vetmedin, enelapril, lasix
Abnormal PE/Chem/CBC/UA Results: mildly elevated BUN, elevated PSL, abnormal CPL

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. 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. **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). The heart base in this patient revealed a large mass that measured 3.2 x 2.7 cm. The position of the mass is suggestive of an aortic body tumor and wraps around the base of the heart. There was no pericardial or pleural effusion noted.

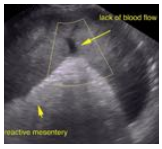
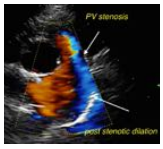
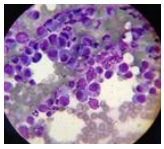
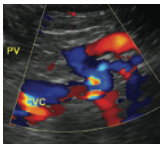
CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.2		48	83	NM
CANINE CARDIAC PARAMETERS	**HR** (BPM)	**AV VMAX** (m/s)	**PV MAX** (m/s)	**BODY WEIGHT** (kg)	**LA** 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	BELOW	BELOW	BELOW	BELOW
PATIENT	131	1.25	1.97	10.8 lbs	2.3 max	1.73	

ULTRASONOGRAPHIC FINDINGS

Aortic body tumor. No evidence of volume overload.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart base mass makes the left atrium appear enlarged on radiographs, yet this is not a volume

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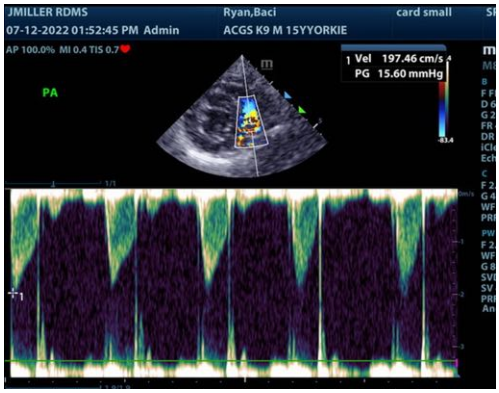
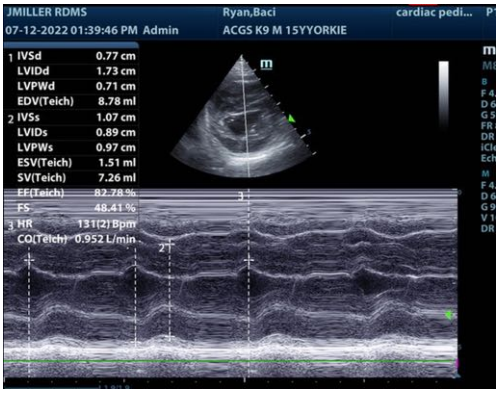
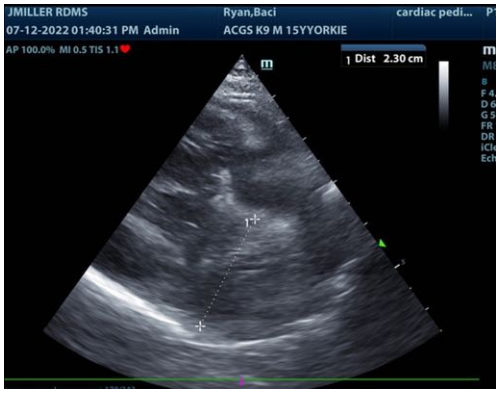
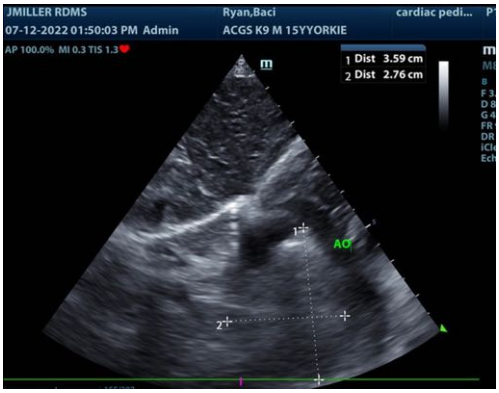
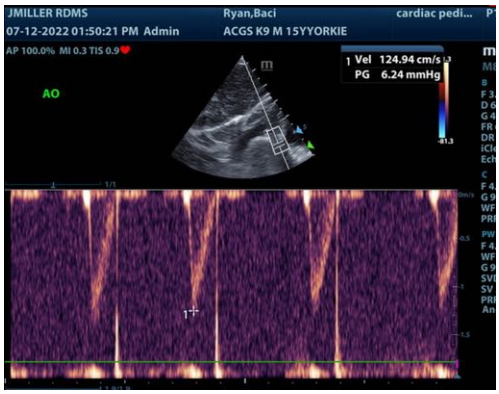
issue, but a tissue proliferative tissue. This is not resectable in its position. Blood pressure measurements are recommended. These are typically slow growing masses. I recommend weaning off the Vetmedin and Lasix in this patient. Enalapril may be utilized if systemic hypertension is present. A recheck echocardiogram is recommended in a month.

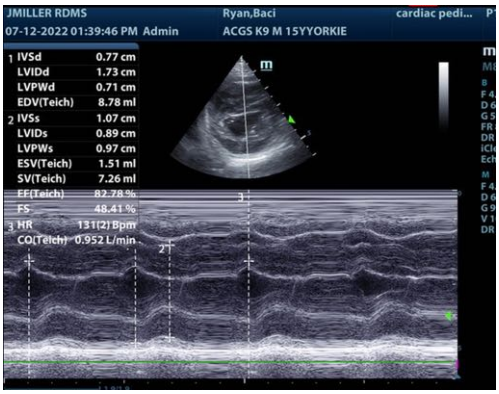












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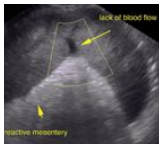
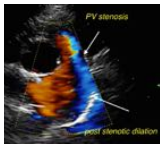
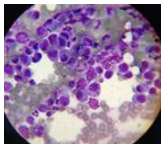
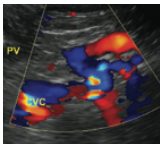

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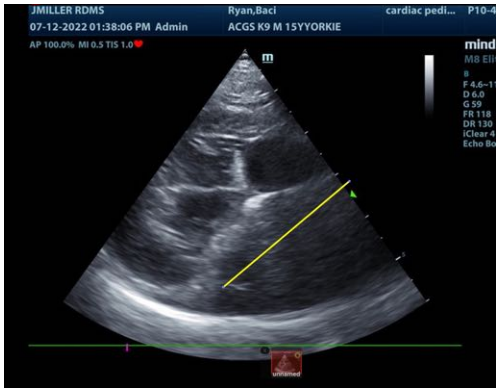

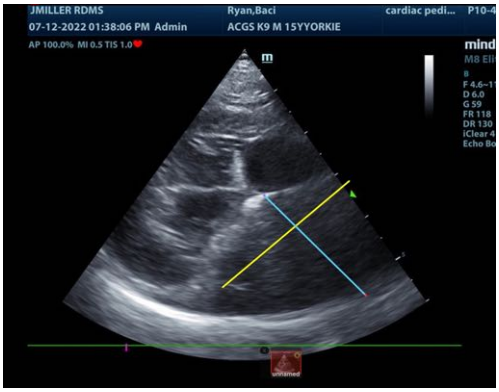

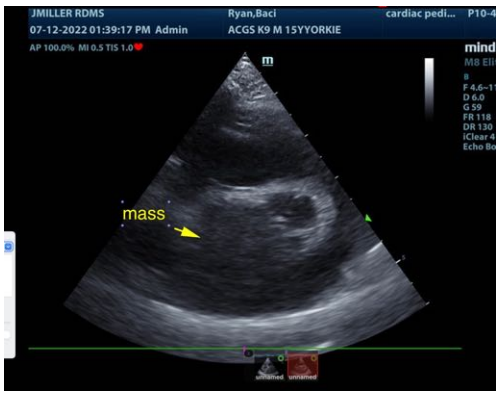

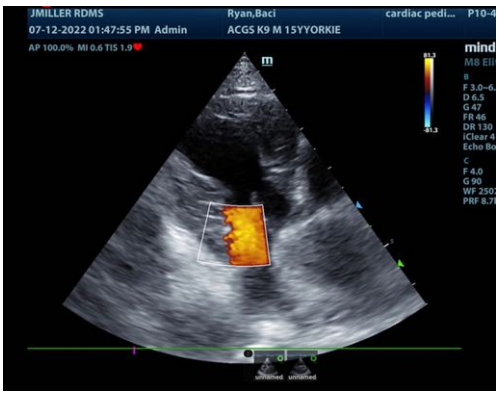

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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