



PATIENT

Curly Beckenthal

SPECIES

Canine

BREED

Cockapoo

SEX

Neutered male

AGE

13 ½ years

WEIGHT

18.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

VCA Blairstown AH

REFERRING VET

Dr. Zeliff

INVOICE

44078

DATE

5/1/23

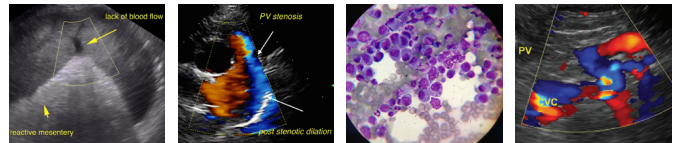
PRESENTING CLINICAL SIGNS

History: Recheck echo. Pre-anesthetic evaluation for possible sx with ophthalmologist. Grade IV/VI murmur, worsening cough. Current meds: Spironolactone 25mg 1/2 bid; Temeril P 1//2 tab sid; Vetmedin 2.5mg 1/2 tab bid; Benazepril 5mg sid; Gabapentin 100mg PRN

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Significant volume overload was noted in the **left atrium** and **left ventricle** in this patient. The left atrial size was moderate to severely dilated in all three parameters. Severe prolapse of the anterior **mitral** valve leaflet was noted. Complete filling of the left atrium was noted on color flow assessment of the mitral valve. Contractility appeared to be adequately compensatory in the left ventricle with pericardial or pleural effusion noted. 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** insufficiency was noted. 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. The hepatic veins were not dilated.

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	<1.6	28-40	40-100	<0.6
PATIENT	5.02	2.38	NM		36	66	0.1
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	137	1.0	0.58	18.2 lbs	4.3 max	3.4	



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ULTRASONOGRAPHIC FINDINGS

Advanced stage B2+-early C1 valvular disease presentation depending on radiographic findings.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the patient's history and volume overload presentation I recommend adding Lasix at 2 mg/kg b.i.d. in this patient with cough suppressant and reassessment of the clinical signs. There is moderate anesthetic risk in this patient at this time. Depending on the length of sedation necessary Torbutrol pre med, Propofol induction and Isoflurane maintenance is recommended. Careful monitoring during the procedure is indicated.

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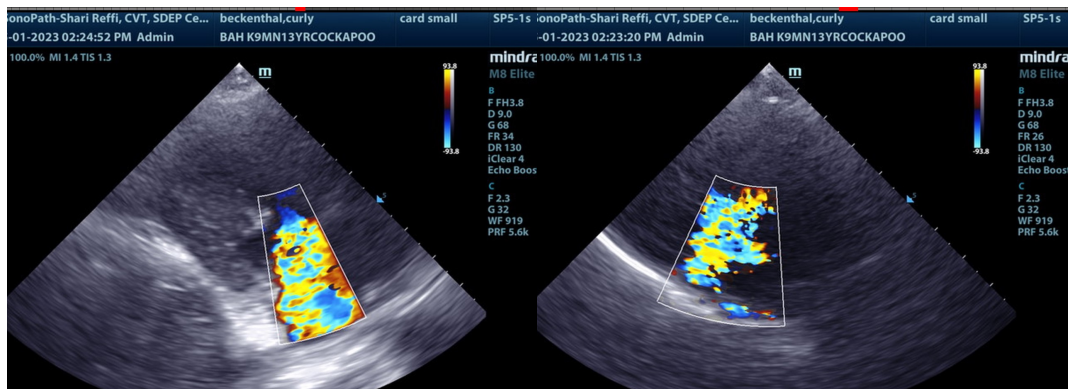
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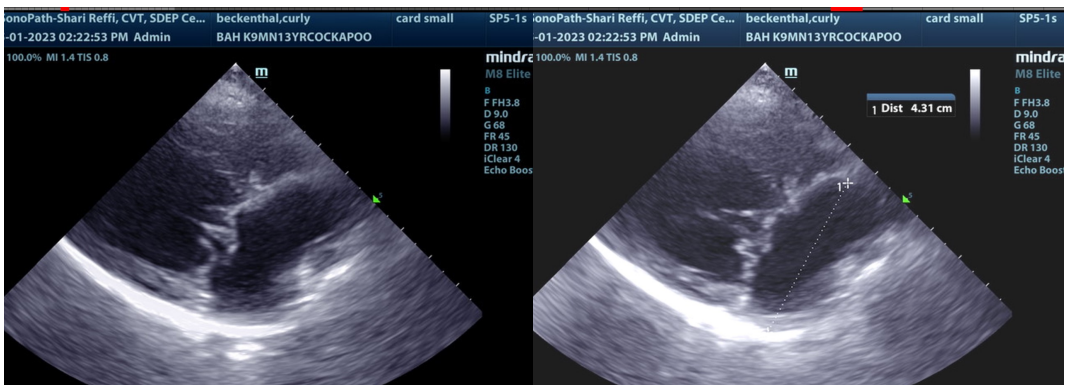
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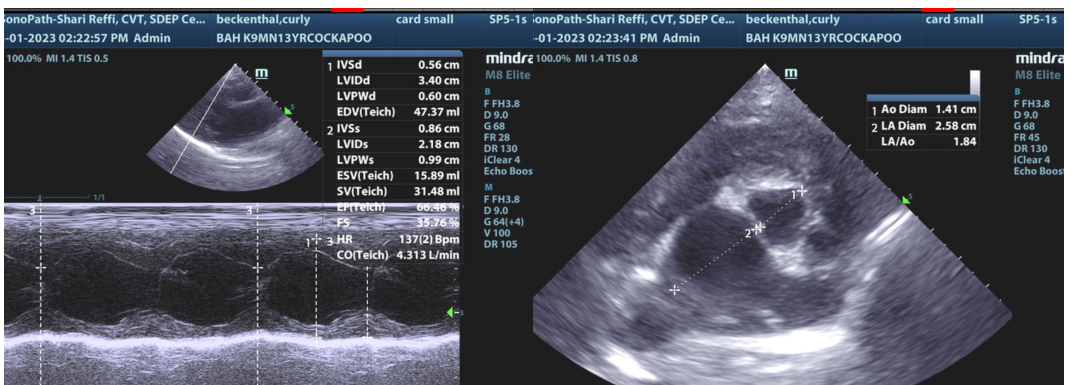
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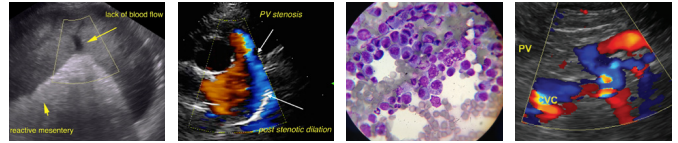


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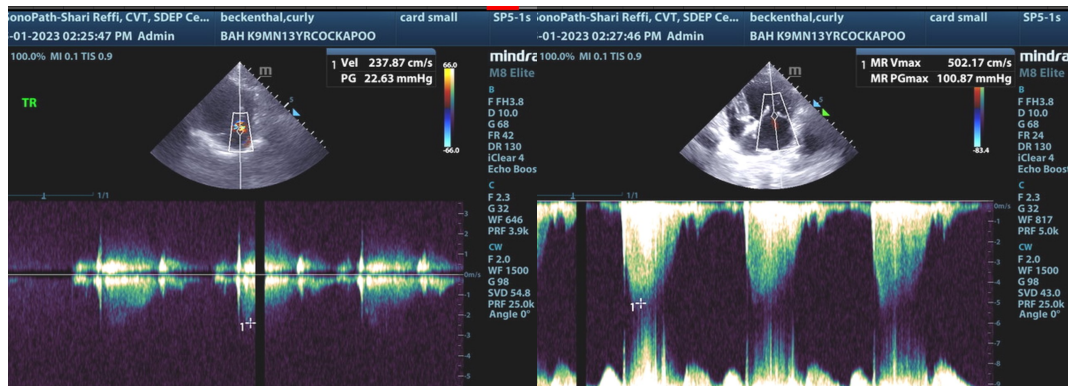
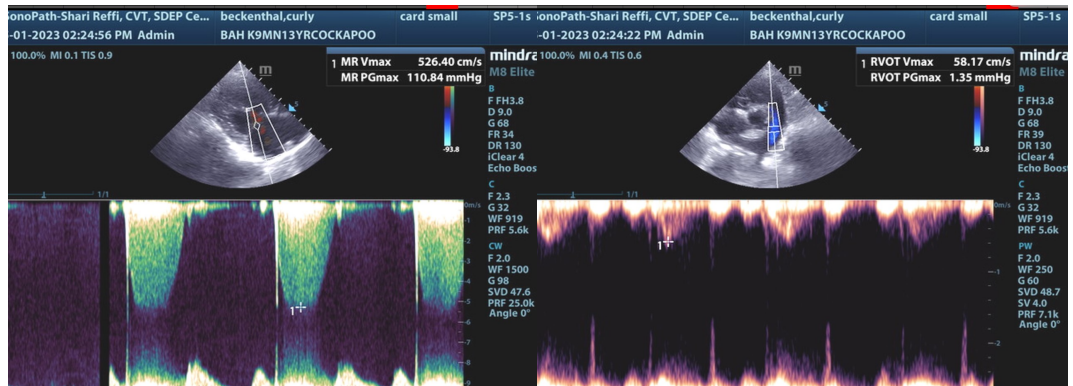
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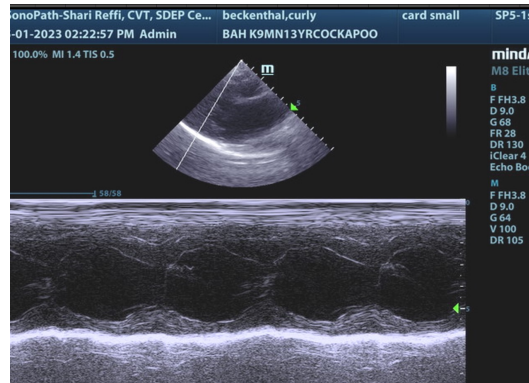
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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