

PATIENT

Curly Stewart
Beckental

SPECIES

Canine

BREED

Cockapoo

SEX

Neutered male

AGE

13 years

WEIGHT

18 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Blairstown AH

REFERRING VET

Dr. Summers

INVOICE

42815

DATE

11/30/22

PRESENTING CLINICAL SIGNS

History: recheck echo for 4/6 murmur. On benazepril 5 mg q 24 hr, spironolactone 25mg x 1/2 q 12 hours, vetmedin 2.5 mg q 12 hrs, gabapentin 100mg q 12 hrs prn, temeril P x 1/2 tab q 24 hrs

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated mild volume overload of the **left atrium** and **left ventricle**. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. Prolapse of the anterior mitral valve leaflet was noted. 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** appeared adequate. 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). There was no pericardial or pleural effusion noted. Arrhythmogenic activity was 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	6.08		1.4	1.5	50	82	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	96	1.56		18 lbs	4.19	3.53	

ULTRASONOGRAPHIC FINDINGS

Stable, advanced stage B2 valvular disease with prolapse and arrhythmia.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

EKG +/- Holter monitor is indicated. Blood pressure measurements are recommended. If sleeping respiratory rate is less than 25 then no specific adjustment of the current protocol is recommended. Recheck echocardiogram is recommended in 6 months or earlier if murmur grade increases or clinical signs initiate.



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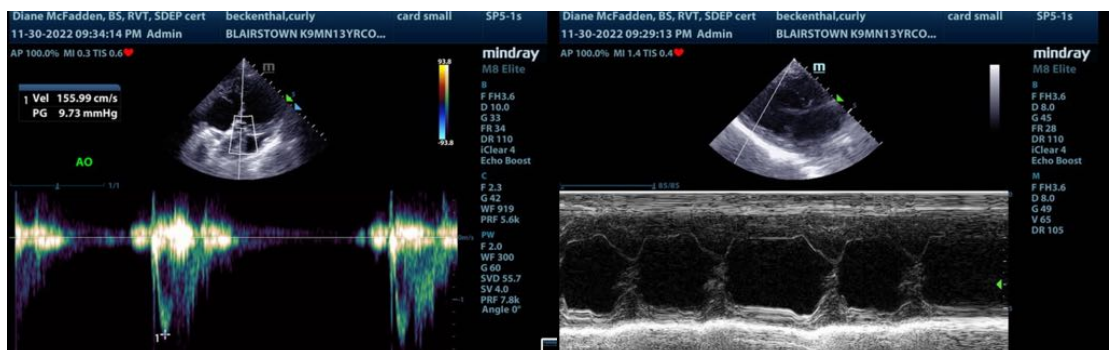
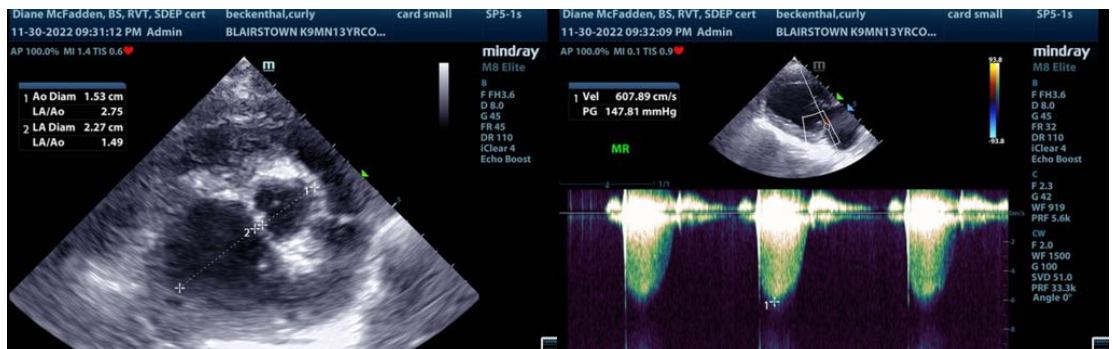
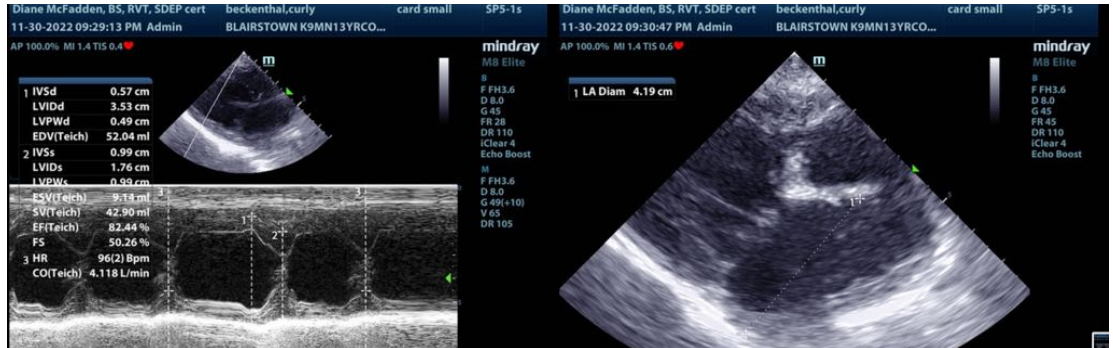
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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