


PATIENT PRESENTING CLINICAL SIGNS

Parker Caldwell Grade 4/6 heart murmur noted on examination. No meds.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

Border Collie Cross

SEX

Intact male

AGE

14 months

WEIGHT

10 kg

INTERPRETED BY

 Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Southside AC

REFERRING VET

Dr. Kennedy

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. The **pulmonic valve** revealed excessive velocity that is consistent with pulmonic stenosis. The pulmonary artery was unremarkable. Tricuspid insufficiency was noted without right atrial enlargement. Right ventricular wall and internal diameters were normal. Turbulence was noted at the pulmonic valve on color flow assessment. The pulmonic valve was mildly thickened.

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		3.1	NM	1.1	28	51	0.1
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				
PATIENT			3.32		2.75	2.58	

ULTRASONOGRAPHIC FINDINGS

Pulmonic stenosis, mild to moderate. Not a clinical issue at this time.

INVOICE

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
DATE

1/13/22

The pulmonic stenosis should be monitored every 6 months to assess further progression. No therapy is recommended at this time.



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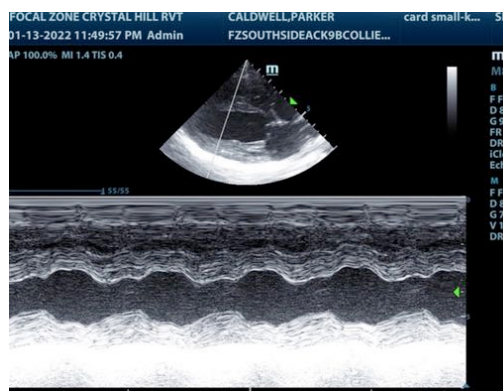
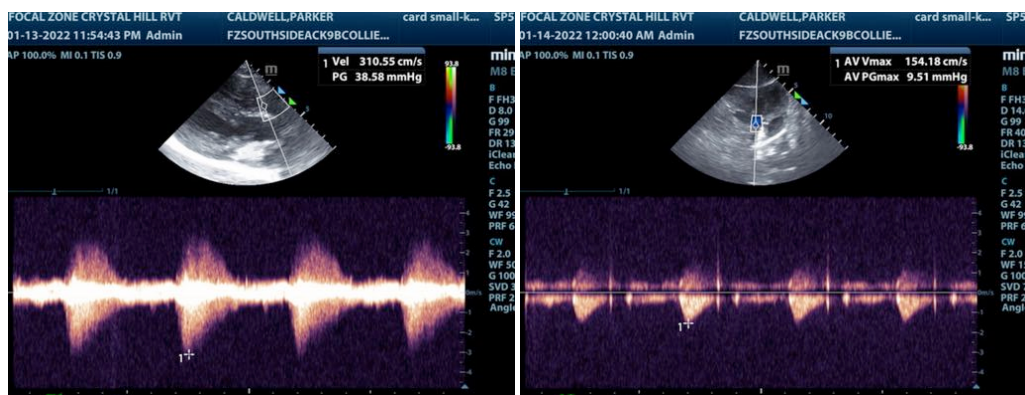
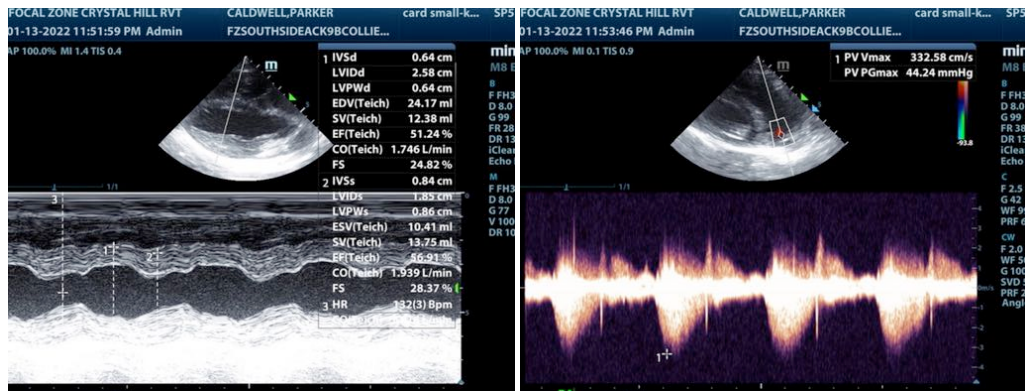
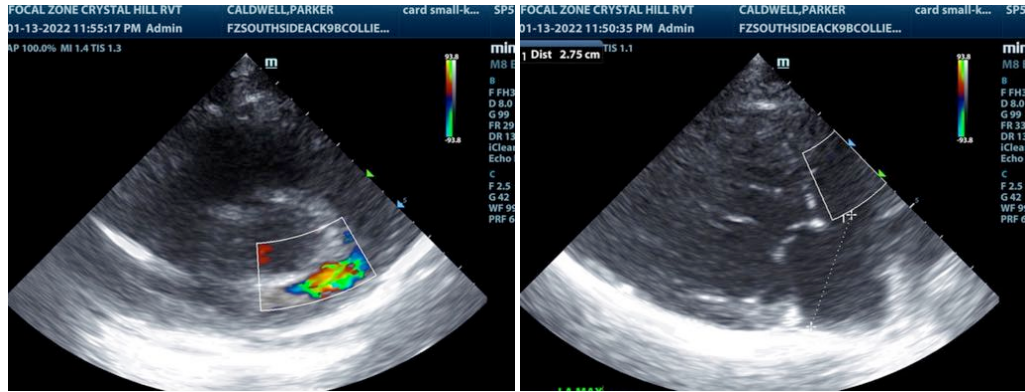
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PATIENT

Parker Caldwell

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

SPECIES

Canine

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.

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Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Eric.Lindquist@SonoPath.com

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