



PATIENT PRESENTING CLINICAL SIGNS

Otis Volkens

History: Grade III/VI systolic heart murmur-L and R thorax. Asymptomatic. (last examined 11/2022 and no murmur present)

SPECIES

Canine

BREED

Beagle

SEX

Neutered male

AGE

3 years

WEIGHT

56.3 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

East Plane AH

REFERRING VET

Dr. Rosen

INVOICE

43335

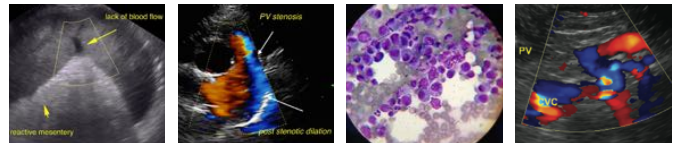
DATE

3/16/23

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. The pulmonic valve was thickened and domed. **Pulmonic velocity** was excessive at 3.45 m/sec. Pulmonic insufficiency was noted in this patient on color flow assessment. 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			1.26	1.32	37	69	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	124	1.6	3.45	56.3 lbs	2.55	3.08	



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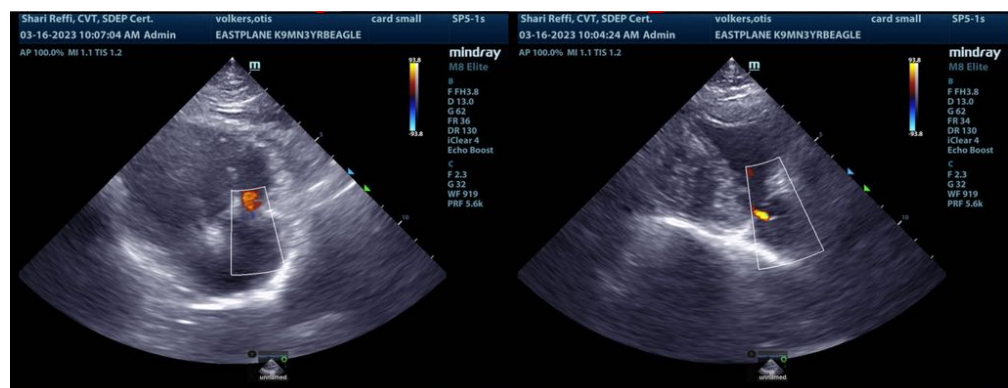
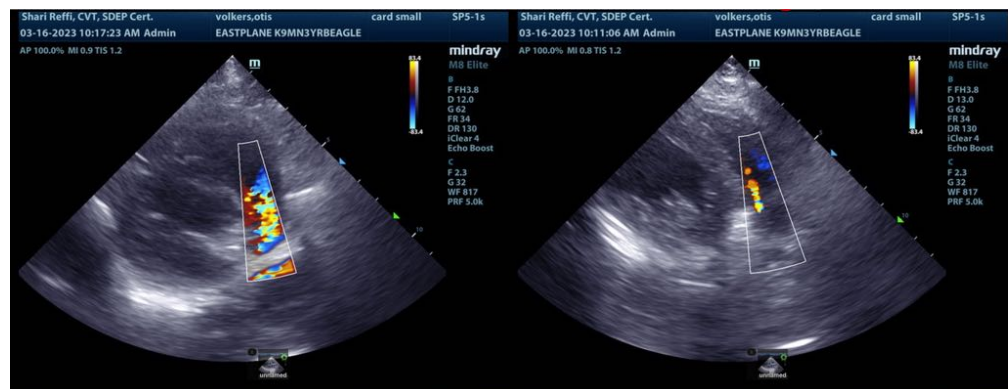
ULTRASONOGRAPHIC FINDINGS

Pulmonic stenosis, moderate. Compensated at this time.

Secondary pulmonic insufficiency.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No significant right-sided cardiac enlargement. At this velocity no interventions are necessary in this patient. However, the patient should be monitored every 6 months for increased velocity of and eventual balloon dilation may be necessary. this is a congenital lesion. The breeding line should be evaluated for similar murmurs.





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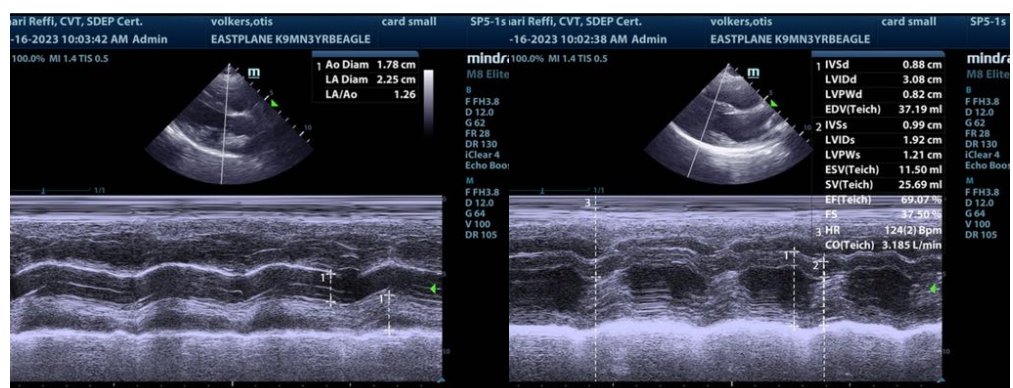
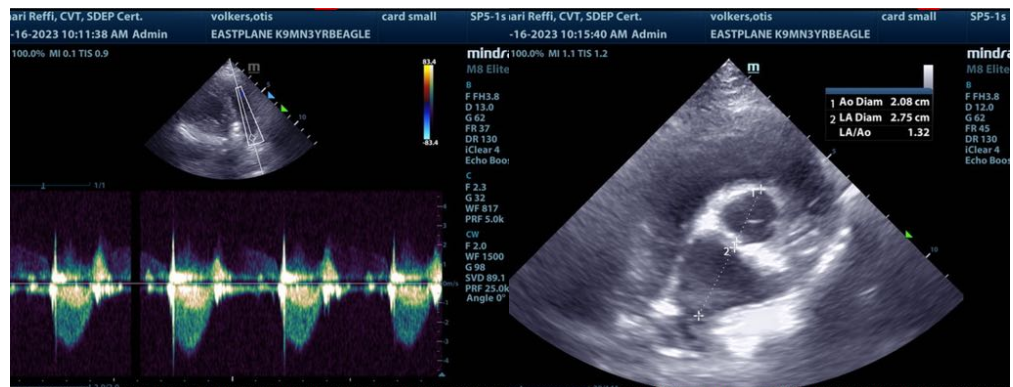
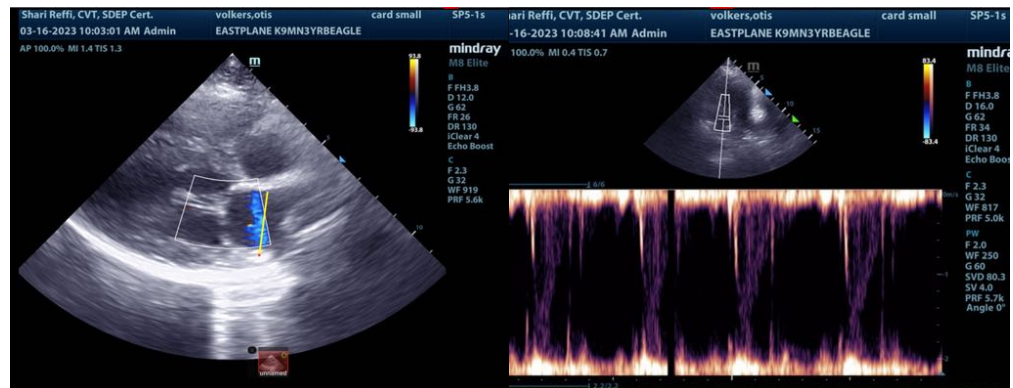
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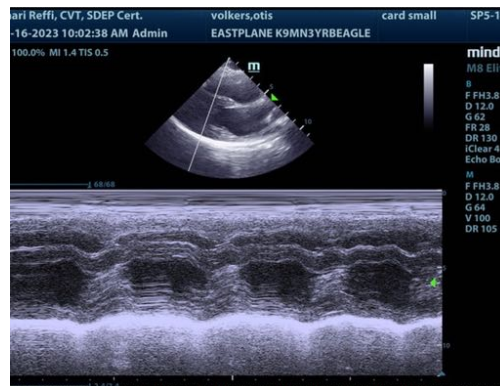
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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