
PATIENT PRESENTING CLINICAL SIGNS

Dog 47640A Generalized demodectic mange, heart murmur found on physical exam HR/RR - 105/pant No BP or rads
 Abnormal PE/Chem/CBC/UA Results: 4/6 murmur

SPECIES

Canine

BREED

Pit Bull Cross

SEX

Intact male

AGE

1 year

WEIGHT

75 lbs

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 slight left ventricular hypertrophy. 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 **aortic outflow** was excessive in this patient the aortic outflow velocity measured at 6.0 m/sec. This is consistent with subaortic stenosis. The aortic valve was thickened in this patient with turbulence on 5 chamber long axis. Subvalvular ridge was noted from the ventricular septum. This is consistent with subaortic stenosis. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. Minor **tricuspid** insufficiency was noted at 2.3 m/sec. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** insufficiency is also noted and not clinically significant. 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.

INTERPRETED BY

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

IMAGING PERFORMED BY

 Andrea Nicastro, DVM,
 Diplomate ACVIM
 (Small Animal Internal
 Medicine)

HOSPITAL NAME

 Charleston Animal
 Society

REFERRING VET

Dr. Fuller

INVOICE

98016

DATE

4/4/22

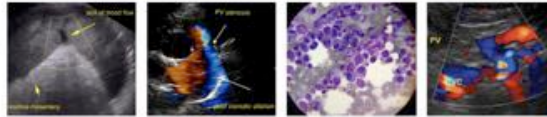
CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT		2.3	1.3	1.5	50		0.1
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)		2D short axis Base view (cm)	Avg; 2D and m- mode short axis (cm)	Avg; 2D and m- mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT		6.0	1.3	75 lbs	3.6	3.9	

ULTRASONOGRAPHIC FINDINGS

Severe subaortic stenosis.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No therapy is recommended at this time unless exercise intolerance is an issue or baseline heart rate is > 110. Recheck echocardiogram is recommended in 6 months or earlier if clinical signs initiate. Long



PATIENT

term prognosis is guarded.

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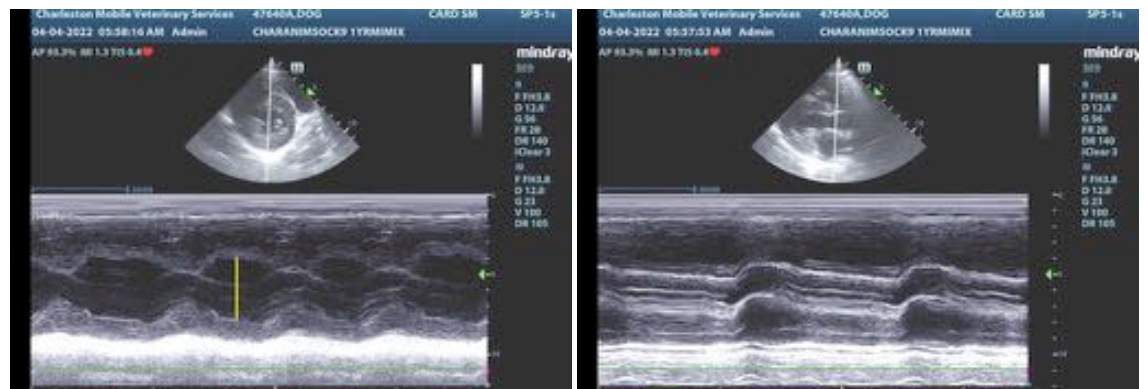
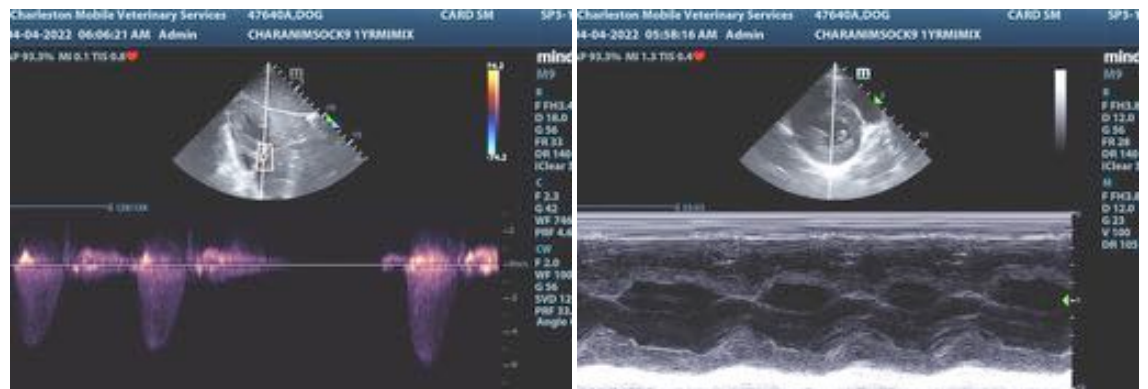
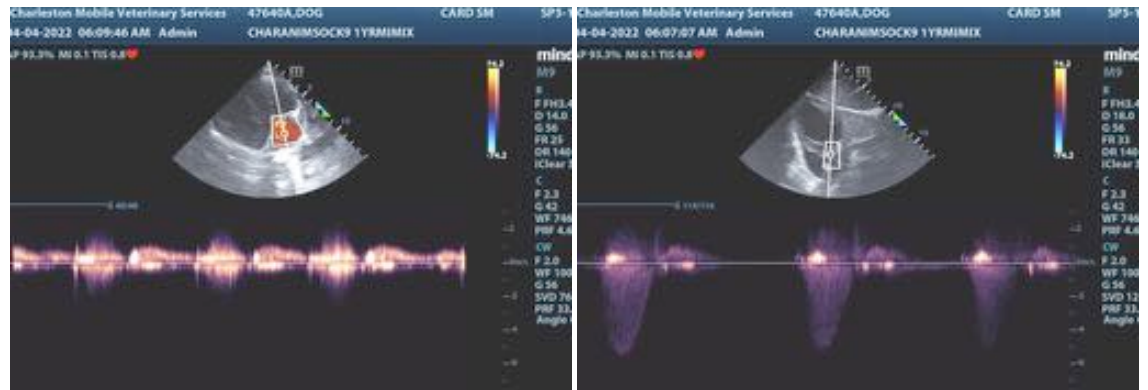
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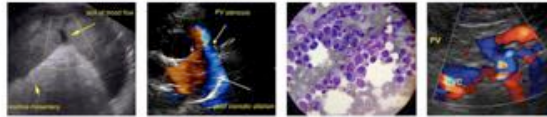
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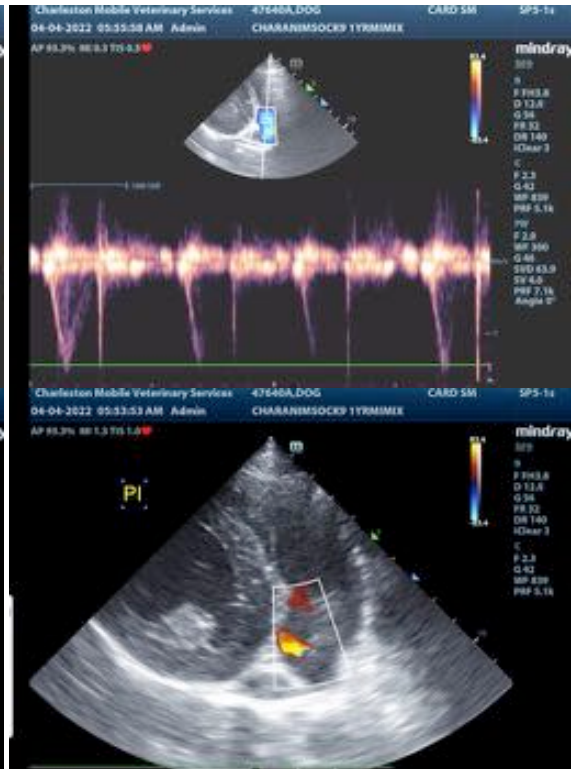
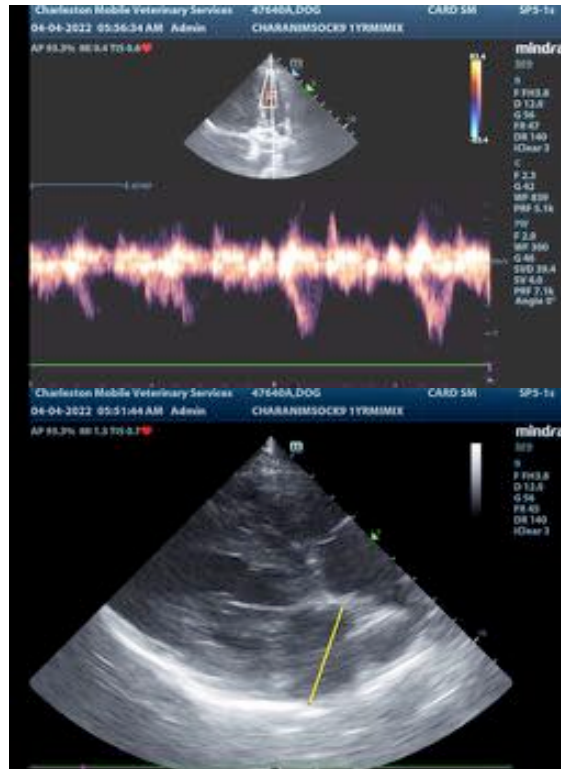
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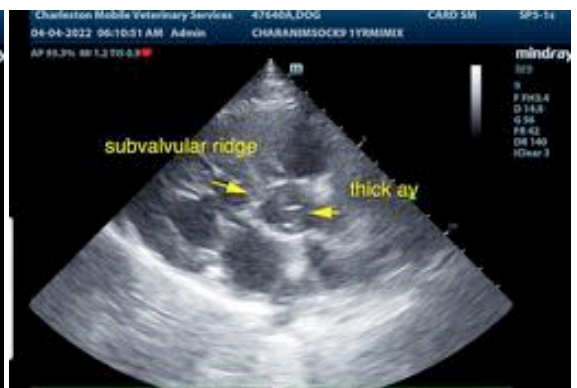
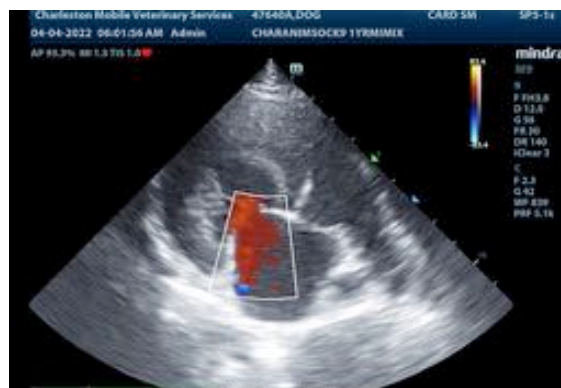
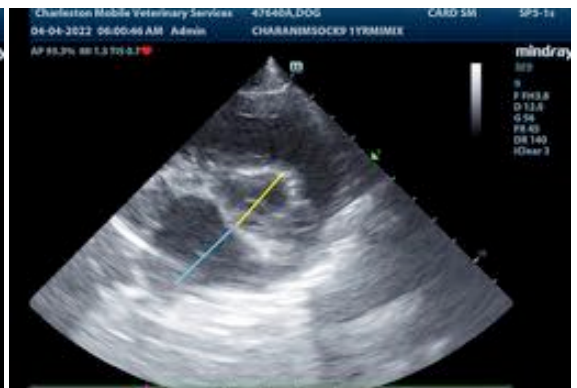
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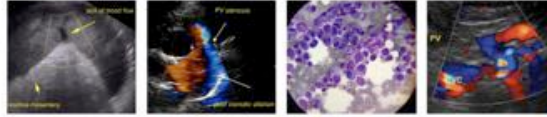
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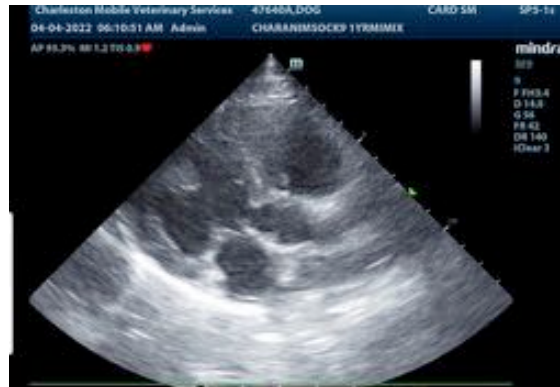
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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