
PATIENT PRESENTING CLINICAL SIGNS

Cat 55249A History: Consistent loud murmur noted on exam at initial presentation 5/23. Still heard 6/13.
SPECIES Abnormal PE/Chem/CBC/UA Results: 5/6 murmur Resp rate - 44 Rads: NSF in chest. Kitten has been diagnosed with bilateral femoral neck fractures, one displaced distal femoral fracture, and one tibial fracture. He is walking well and recovering from these. in house proBNP snap performed 6/15 showed "normal" finding
Feline

BREED ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Domestic Shorthair The left atrium and left ventricle were of normal volumes and contractility. Ventricular septal defect was noted in this patient with left to right shunting measuring up to 5.2 m/sec. The ventricular septal defect was fairly small at 0.15 cm in width with slight, irregular, ventricular septal tissue. Maximum width measured 0.24 cm. The cranial and caudal mitral valve leaflets presented normal linear structure and kinetics. The aortic and pulmonic velocities were normal. Right ventricular volume was normal. No pericardial or pleural effusion was noted.

SEX

Neutered male

AGE

9 weeks

WEIGHT

2 lbs

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

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FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT		NM	0.36			45	
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)	LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.1	1.2	1.2	1.2	1.3	NM	
Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

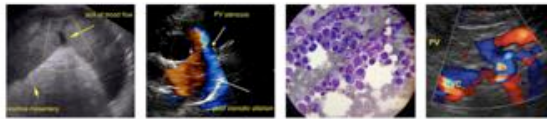
ULTRASONOGRAPHIC FINDINGS

Compensated left to right ventricular septal defect.

No secondary cardiac changes at this point.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the age of this patient there is a potential that this defect may close over time. However, it could also worsen. The hope is that the pitch of the murmur would increase and then disappear, which would suggest that it is closing. However, if the pitch of the murmur decreases and becomes softer then further opening of the VSD may be an issue. I do not recommend therapy at this time. Recheck



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echocardiogram is recommended in 3 months or earlier if clinical signs initiate.

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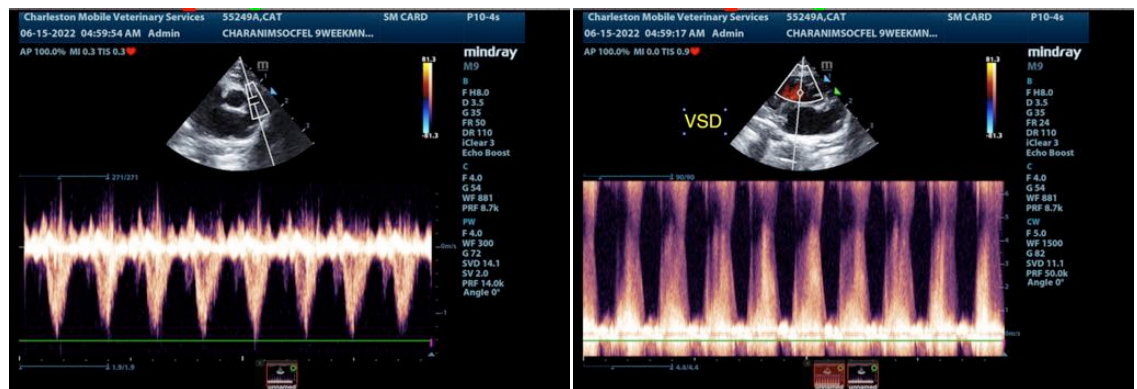
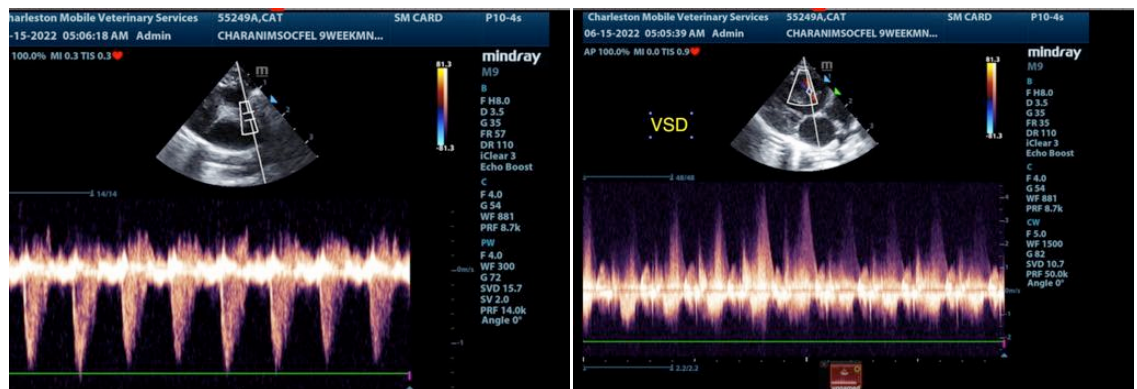
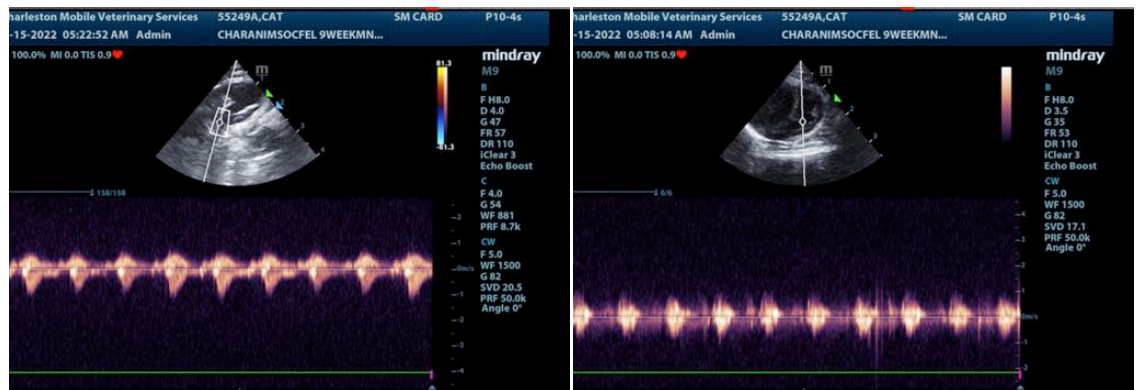
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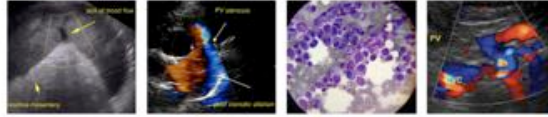
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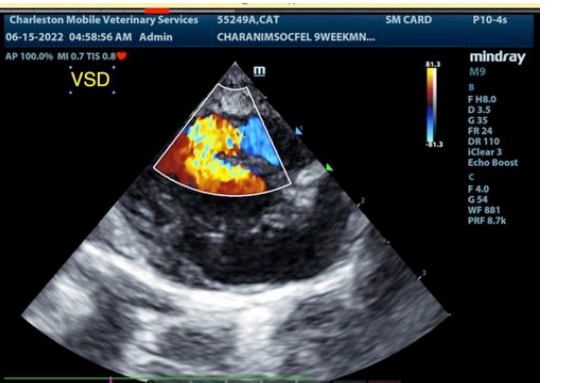
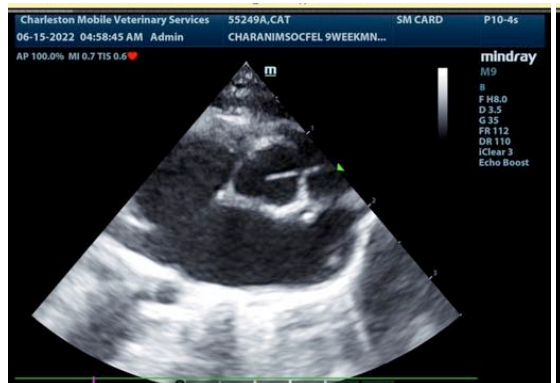
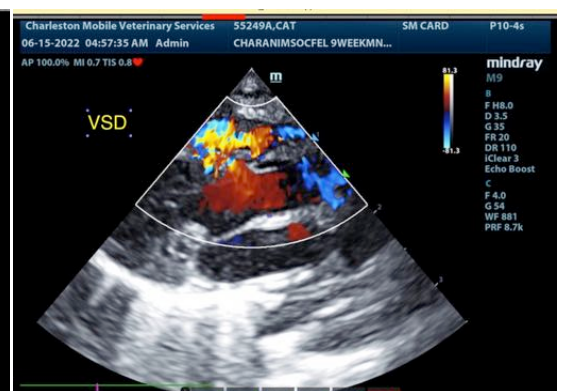
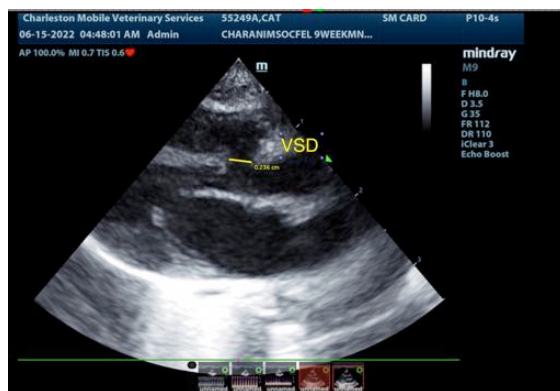
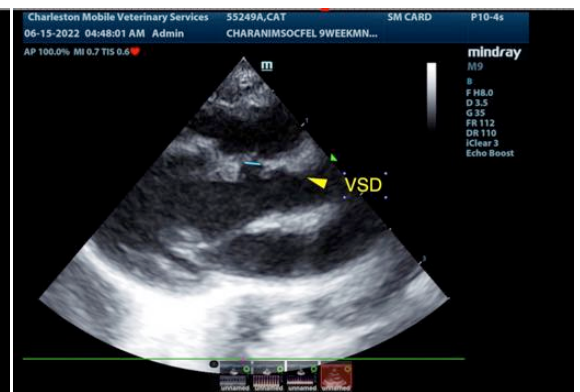
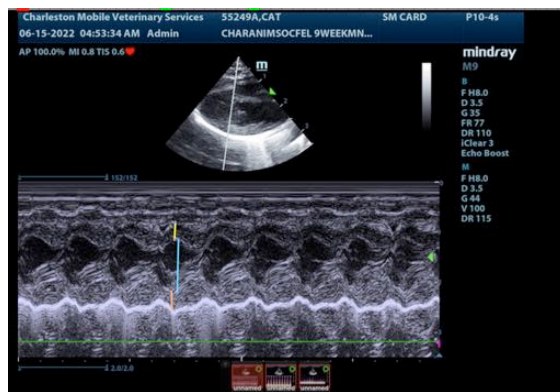
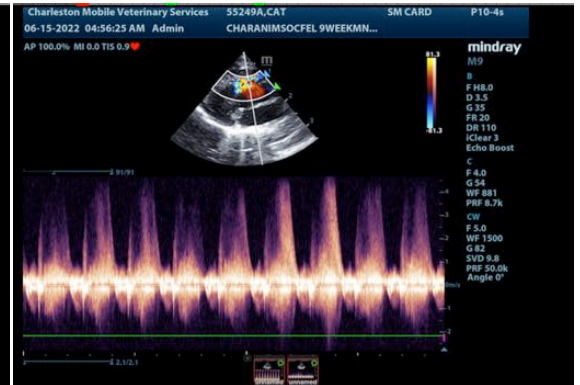
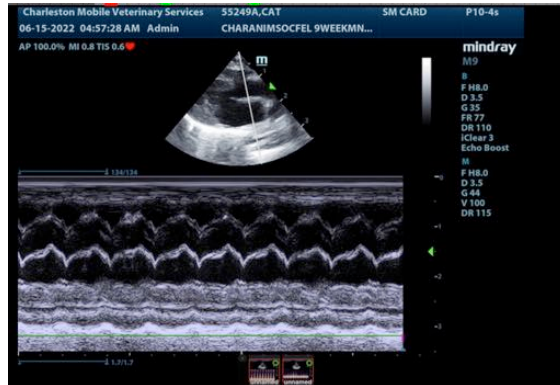
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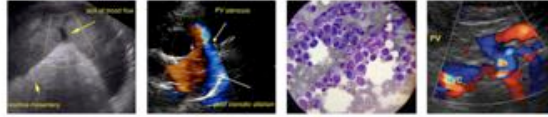
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Feline

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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Info@SonoPath.com

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