

PATIENT PRESENTING CLINICAL SIGNS

Stella Dipresso History: prior echo 11/18/21; recheck today. 4/6 holosystolic murmur. On Pimobendan 2.5mg x 1/2 bid, furosemide 12.5 mg x 1.2 bid,
SPECIES Abnormal PE/Chem/CBC/UA Results: AL>T 258

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Chihuahua

The echocardiogram in this patient presented significant volume overload of the left atrium and left ventricle. The contractility appeared to be compensated and adequate at this time; however, volume overload is significant. Mitral and tricuspid insufficiency is present. There was no pericardial or pleural effusion present. The hepatic veins were not dilated.

SEX

Spayed female

AGE

11 years

WEIGHT

8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Newton VH

REFERRING VET

Dr. Bladek

INVOICE

40242

DATE

10/21/22

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	5.68		2.4	2.5	54	84	0.16
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		0.9		8 lbs	>3.5	3.12	

ULTRASONOGRAPHIC FINDINGS

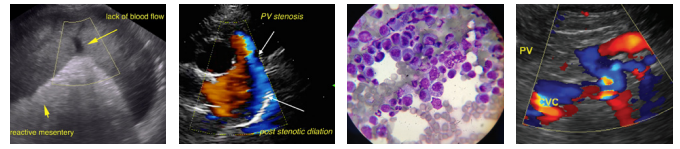
Volume overload of the left atrium and left ventricle.

Compensated contractility.

Mitral and tricuspid insufficiency.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend adjusting the protocol and add ace inhibitor at 0.5 mg/kg s.i.d. progressing to b.i.d. over the next 7-10 days. Spironolactone at 1-2 mg/kg b.i.d. Sleeping respiratory rate should be less than 25/minute. I recommend continuation with Pimobendan at 0.3 mg/kg b.i.d. and Furosemide at 6.25 mg/kg b.i.d. The next step will be increasing the Furosemide. Recheck echocardiogram is recommended in 1-3 months. Given that the sonographic parameters are essentially equal to the prior sonogram I would have to say that the patient is decompensating given the current medication protocol, hence enah8ncg to quadrotherapy would be recommended. A recheck echocardiogram is recommended in 1-3 months depending on clinical progression or stabilization.



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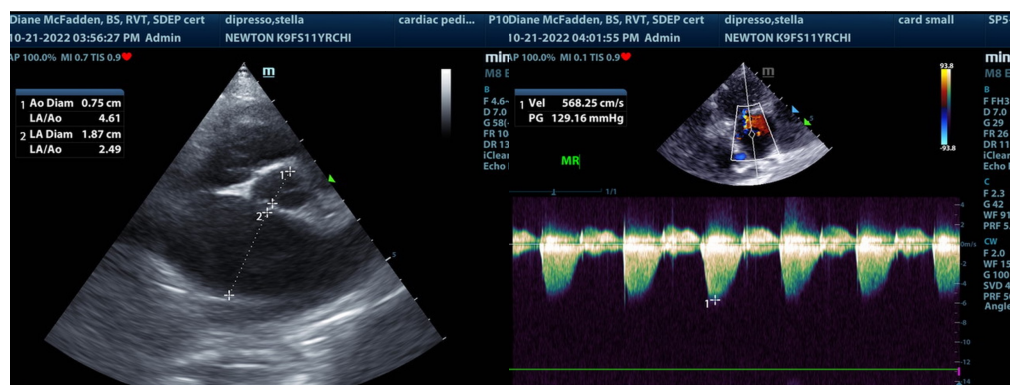
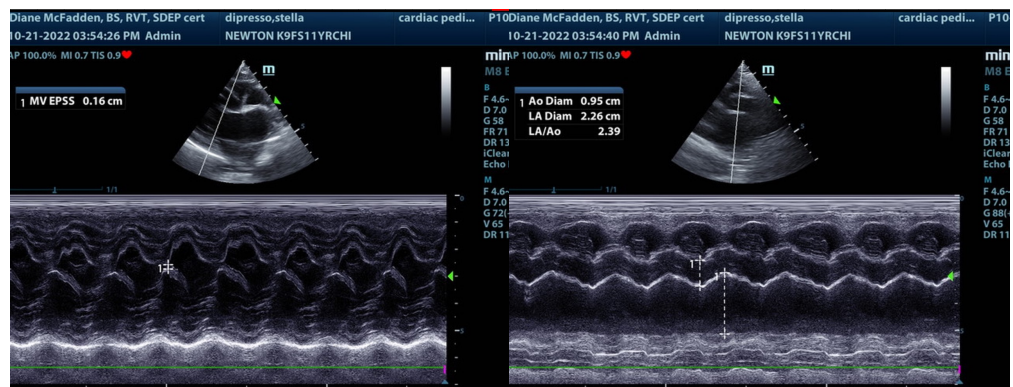
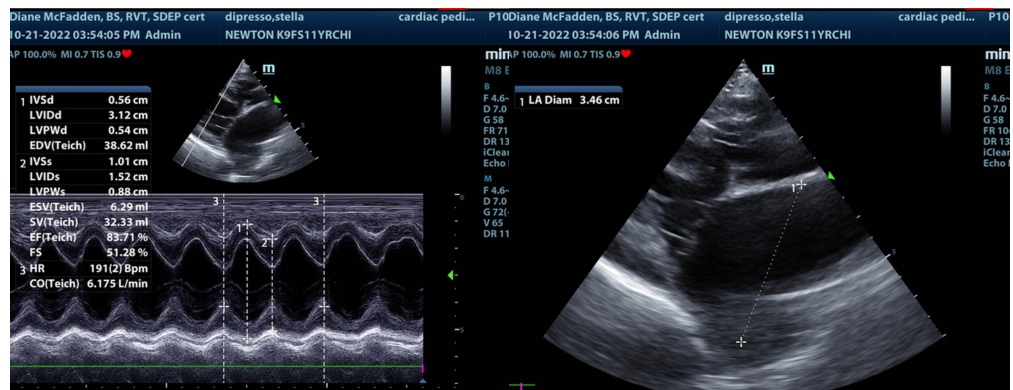
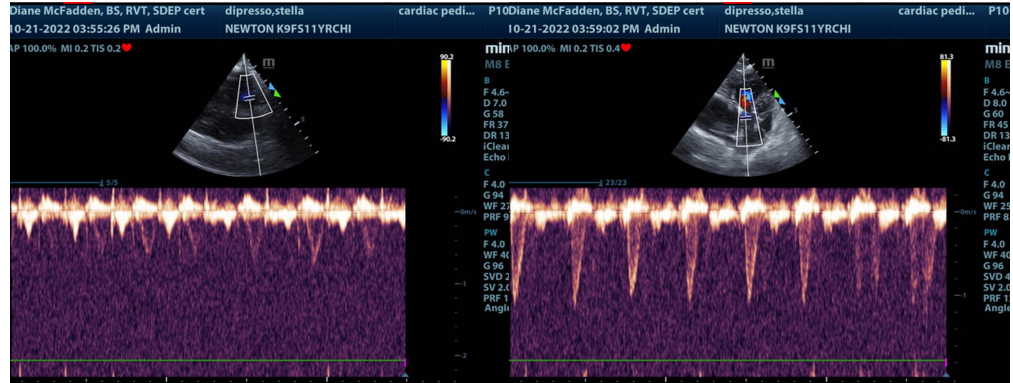
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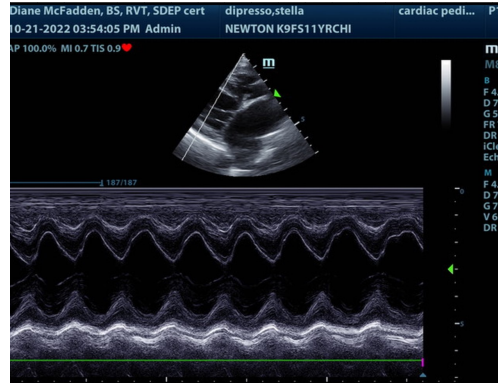
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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