


PATIENT

Hank Winkelmann

SPECIES

Canine

BREED

Red Heeler Mix

SEX

Neutered male

AGE

12 years

WEIGHT

38 lbs

INTERPRETED BY

 Eric Lindquist, DMV
 DABVP, Cert. IVUS

IMAGING PERFORMED BY

Dr. Anderson

HOSPITAL NAME

Elizabeth AH

REFERRING VET

Dr. Anderson

INVOICE

43420

DATE

3/21/23

PRESENTING CLINICAL SIGNS

History: 7 month follow-up Cardiac ultrasound. Patient is stable per owner. SRR less than 20.
 Abnormal PE/Chem/CBC/UA Results: Stage II dental disease, skin tags, osteoarthritis typical of age, sclerosis of lenses typical of age, cardiac murmur 3/6 systolic heart base, left.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient presented significant volume overload of the left atrium. There was significant progression from the prior sonogram. Prolapse of the anterior mitral valve leaflet was noted. Left ventricular internal diameter was excessive. Contractility was mildly subnormal for a compensatory status. Complete filling of the left atrium was noted on mitral valve Doppler. Tricuspid insufficiency was also noted. The hepatic veins were not dilated; however, nodular hepatic changes were present. Abdominal sonogram is warranted. NO pericardial or pleural effusion was noted.

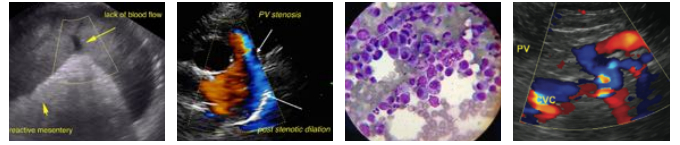
| CANINE CARDIAC PARAMETERS | MR VMAX (m/s) | TR VMAX (m/s) | LA/AO (Boon method) | LA/AO (Heart Base;) | FS (%) | EF (%) | EPSS (cm) |
|---------------------------------|---------------------|---------------------|------------------------|------------------------|--|--|--|
| NORMAL PARAMETER | 4.5-5.5 | <2.7 | 1.3 | <1.6 | 28-40 | 40-100 | <0.6 |
| PATIENT | 5.42 | | 1.5 | 1.8 | 32 | 60 | 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 | | 1.6 | 0.74 | 38 lbs | 5.8 | 4.61 | |

ULTRASONOGRAPHIC FINDINGS

Decompensating valvular disease, progressed.
 Left atrial enlargement.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend adjustment of medications in this patient. Presuming the patient is only on Pimobendan I recommend adding ace inhibitor at 0.5 mg/kg s.i.d. progressing to b.i.d. and Spironolactone at 1-2 mg/kg b.i.d. Ideally a recheck echocardiogram is recommended in a month. I recommend reassessment of BUN, creatinine and target respiratory rate as well as radiographs in a week.



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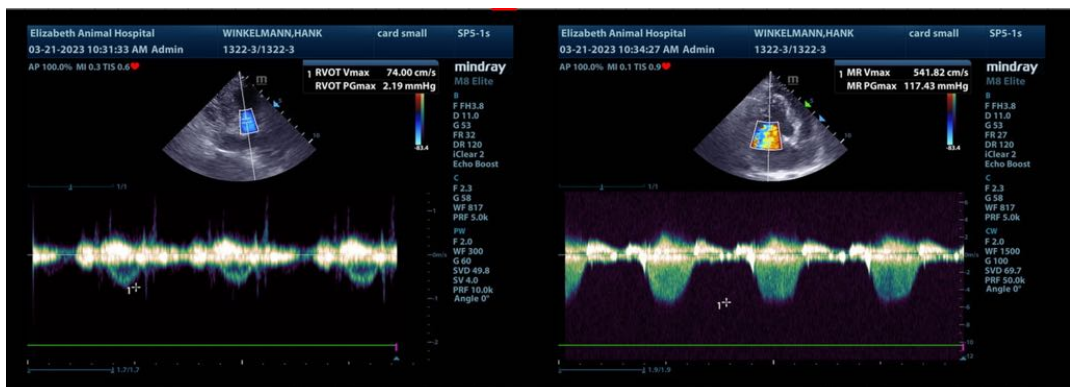
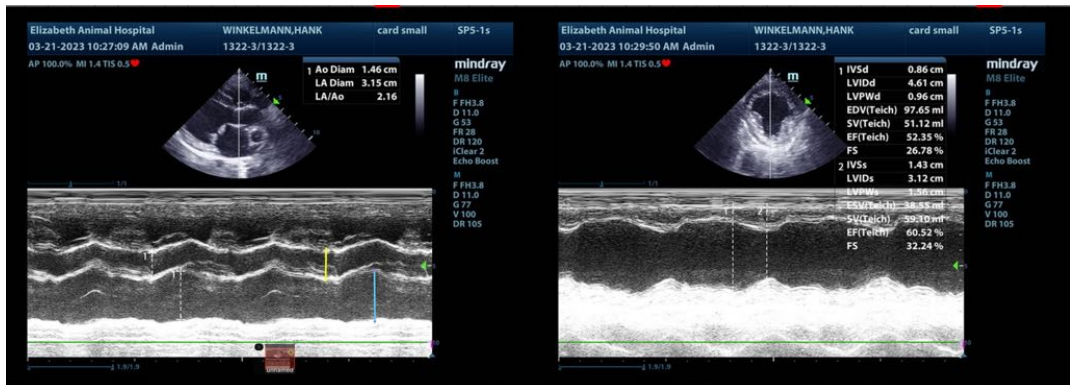
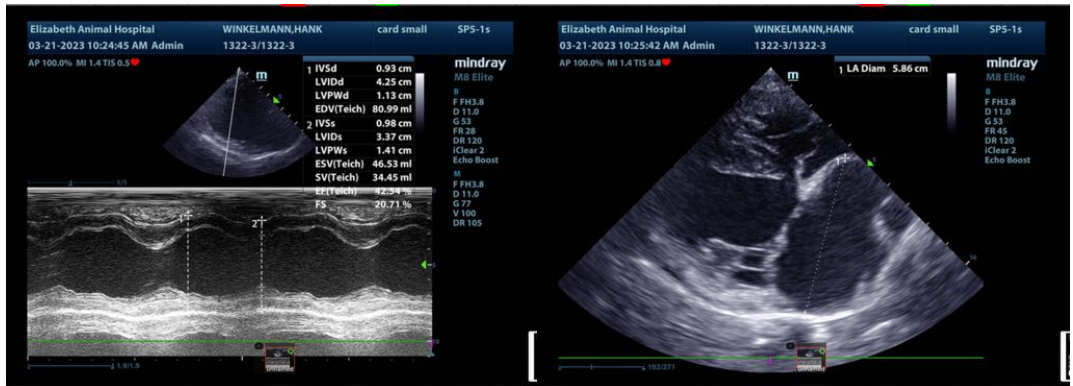
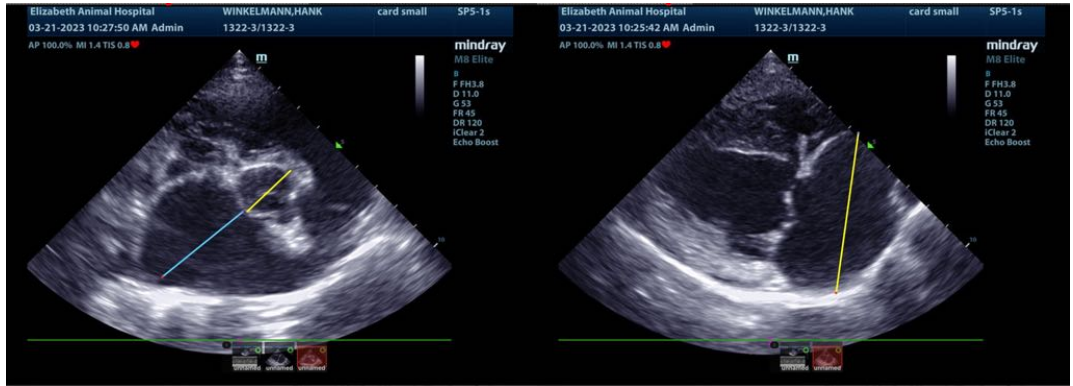
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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