



PATIENT

Susie Gebhardt

PRESENTING CLINICAL SIGNS

History: History of thyroid disease. Episodes of panting/open-mouth breathing - respiratory distress.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated volume overload. The septal and free walls were mildly excessive. Volume overload of the left and right heart was noted. Mitral and tricuspid insufficiency was noted with a large amount of pleural effusion owing to left-sided heart failure. Hepatic vein dilation was noted as well as ascites secondary to right-sided failure. Slight pericardial effusion was also noted.

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

11 years

WEIGHT

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Midland Park VH

REFERRING VET

Dr. Shokoff

INVOICE

30640

DATE

5/23/22

| 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 | 0.5 | 1.7 | 0.68 | 35 | |
| 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 | >2.0 | | 2.0 max | | | | 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

Left and right-sided heart failure.

Unclassified cardiomyopathy with secondary pleural effusion and ascites.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I cannot rule out a concurrent underlying neoplastic event. I recommend triple therapy in this patient, off label Plavix at 0.3 mg/kg b.i.d., Lasix at 12.5 mg b.i.d., diminishing to 6.25 mg/kg b.i.d. if possible based on blood pressure measurements and azotemia. Ace inhibitor at 0.5 mg/kg s.i.d. progressing to b.i.d. if the patient is able to tolerate it. The prognosis is extremely guarded. The patient is at risk for sudden death. Palliative pleurocentesis could be considered as well. Recheck echocardiogram is recommended in a week if the patient survives the current episode.



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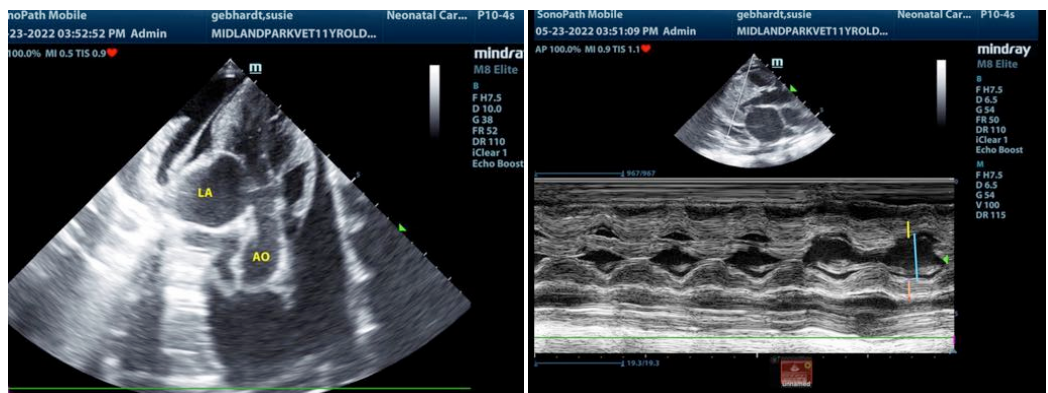
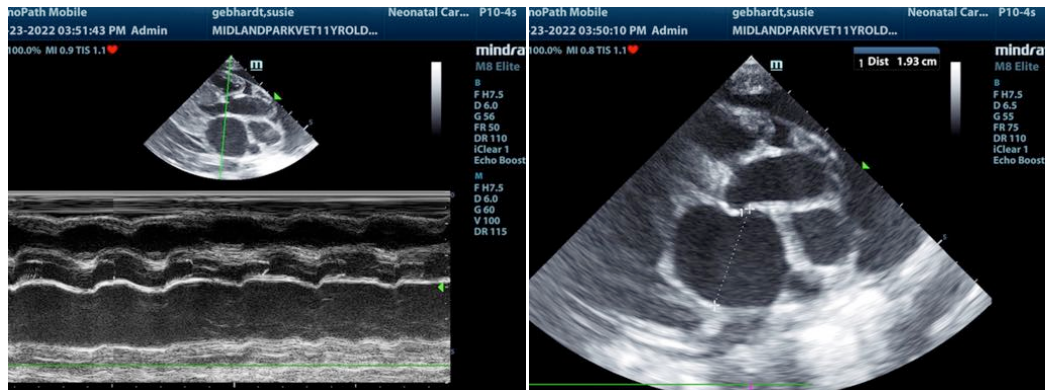
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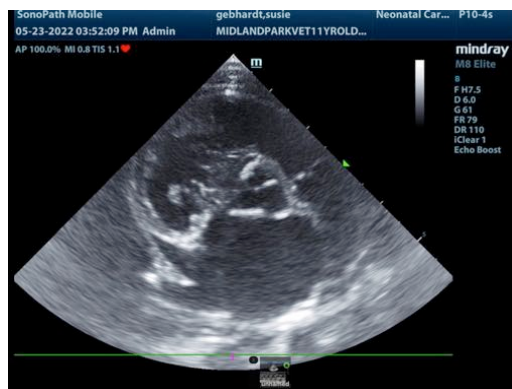
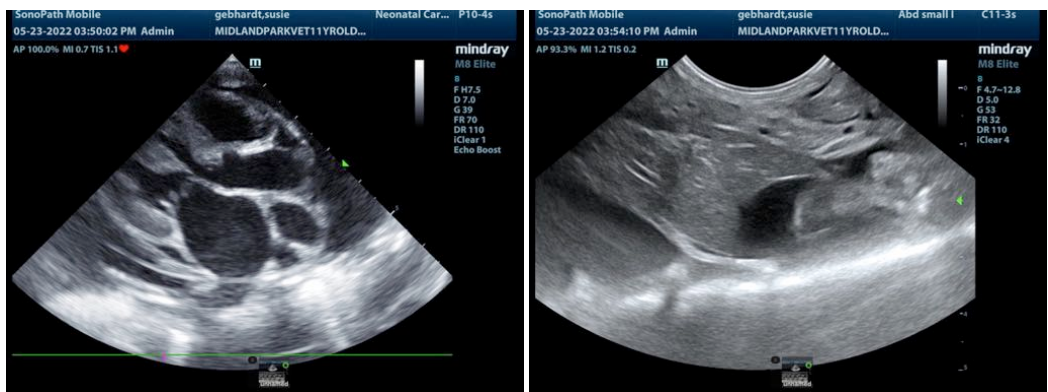
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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