


PATIENT

Peaches Fox

SPECIES

Feline

BREED

Domestic Medium Hair

SEX

Spayed Female

AGE

10 years

WEIGHT

9.5 lbs

PRESENTING CLINICAL SIGNS

History: Pleural fluid - able to do thoracocentesis and remove 90 ml has improved while on Furosemide Current Medications Furosemide 12.5 mg SID

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	--	1.0	--	30	--
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	0.9	--	--	--	--	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							

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Q Street AH

REFERRING VET

Dr. Bretschneider

DATE

10/22/21

Invoice

13981

Cardiac Presentation

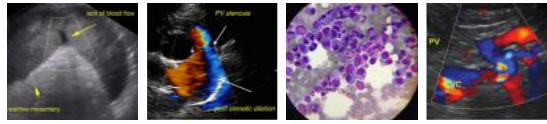
A rapid echocardiogram was performed on this patient owing to the precarious state. Passive congestion liver pattern noted with a large amount of pleural effusion. Right sided volume overload present. Tricuspid insufficiency noted with severe right atrial enlargement and right ventricular dilation. The ventricular septum appeared somewhat nebulous. Ventricular septal defect may be present in this patient; however, it could not be confirmed owing to the precarious cardiac state. However, given the pleural effusion, I'm most concerned about primary thoracic disease. Irregular tissue noted in the thorax with lung and pleural irregularity and consolidations.

ULTRASONOGRAPHIC FINDINGS

- Passive congestion liver pattern with a large amount of pleural effusion
- Right sided volume overload
- Tricuspid insufficiency with severe right atrial enlargement and right ventricular dilation

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Concern for thoracic neoplastic event with secondary right sided heart failure owing to pulmonary hypertension, however, further diagnostics are necessary to prove this presumption. Fresh pleurocentesis and cytospin recommended to assess for exfoliating neoplastic cells as well as abdominal sonogram to assess for primary disease that may be metastatic to the chest. Palliative therapy with Lasix at 12.5 mg BID and Off label Pimobendan at 0.3 mg per kg BID could be



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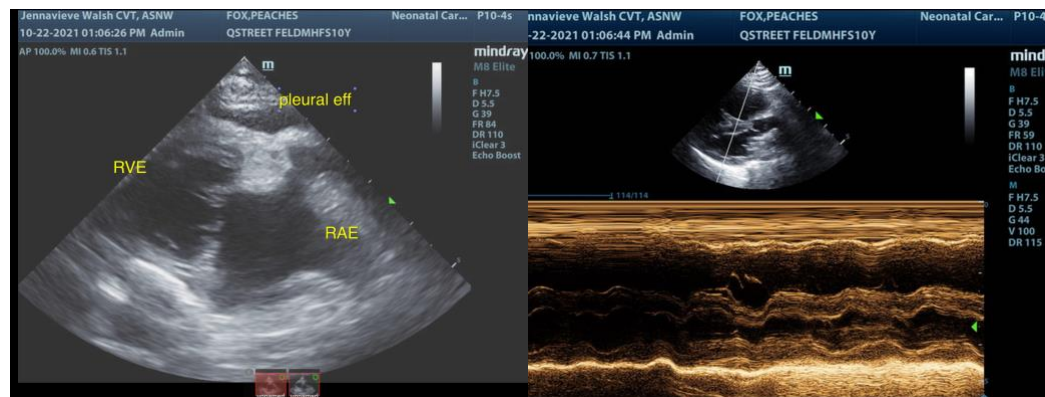
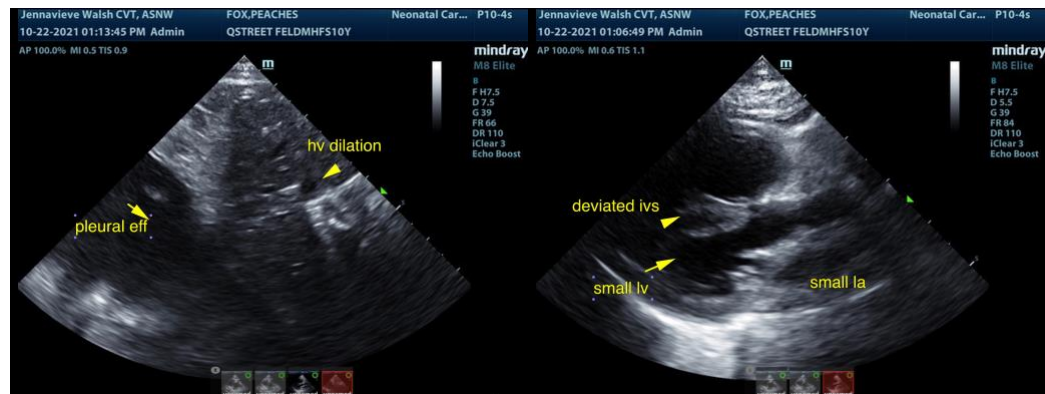
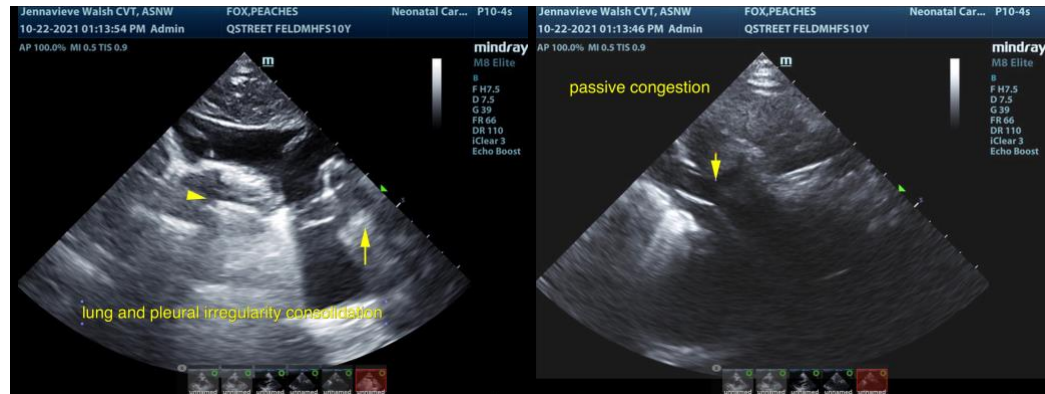
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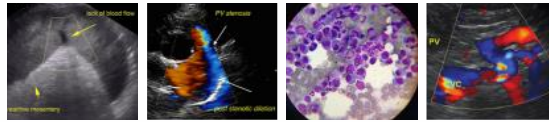
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considered, however, these are only palliative measures. Further cardiac management could be considered after ruling out the probability of thoracic neoplasia or primary extracardiac thoracic disease, increasing the right sided heart enlargement and failure. Prognosis long term is poor. If a ventricular septal defect is present, it would be minor and could not be confirmed and likely not playing a primary role in this case.



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.



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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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS

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CEO of Sonopath.com

Eric.Lindquist@SonoPath.com

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