



PATIENT PRESENTING CLINICAL SIGNS

Abby Coombs

History: In for cystotomy today, mm noted to be cyanotic and increased RR. Owner reported she had been breathing hard for a few days, and was standing/sternal all last night. Rads showed severe pleural effusion, tapped 250mL of what looks like blood from one side of the chest. Neg chest tap on the other side.

SPECIES

Canine

PE: still increased RR, but mm now pink and is much more BAR RADS: severe pleural effusion, cannot visualize heart. CBC/Chem (yesterday afternoon): all WNL except Retics a little high.

BREED

Goldendoodle

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

SEX

Spayed Female

The echocardiogram in this patient revealed normal volumes and contractility. No primary cardiac disease was noted. However, the thorax was filled with pleural effusion with echogenic debris and heterogenous, nodular pleural changes. Minor areas of lung consolidation were also noted. This is strongly suggestive for thoracic neoplasia; however, other causes such as pleuritis and lung lobe torsion can also present in this fashion. Pleurocentesis and cytospin is recommended +/- culture and sensitivity. Chest tube placement for drainage would be ideal. An abdominal sonogram is recommended to assess for primary disease. There was no evidence of primary cardiac disease.

AGE

10 years

WEIGHT

87 lbs

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			NM	1.3	45		0.1
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)		2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT		1.8		87 lbs	3.64	3.0	

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

ULTRASONOGRAPHIC FINDINGS

Non-cardiogenic pleural effusion and nodular pleural changes.

REFERRING VET

Dr. Goodman

Thoracic neoplasia/carcinomatosis, lymphomatosis or metastatic disease is suspected.

INVOICE

Lung lobe torsion and pleuritis is also possible.

92056

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

DATE

9/29/21

Sampling +/- chest CT would be ideal. However, cytospin of the pleural effusion and abdominal sonogram would be my next steps of diagnostic value.



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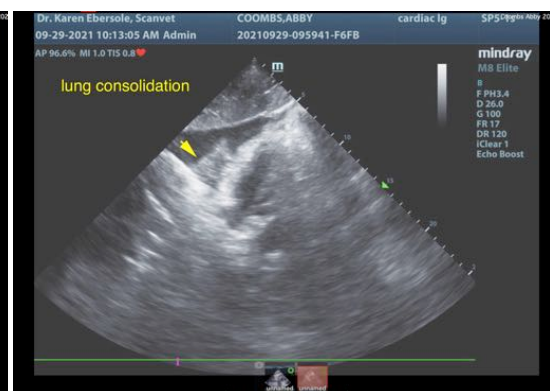
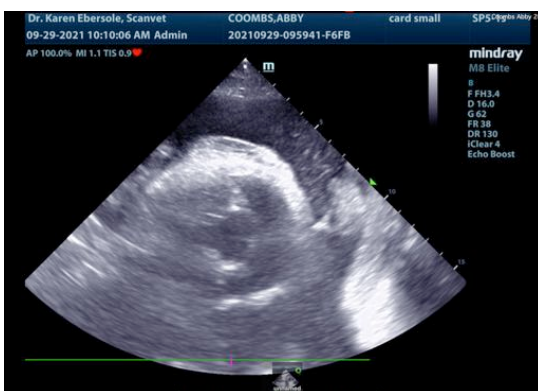
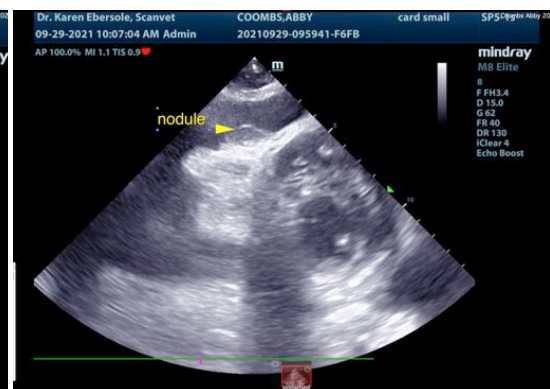
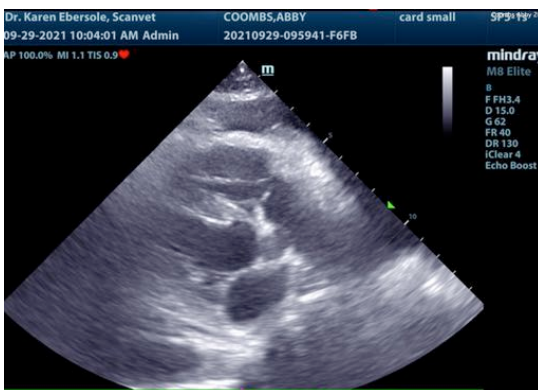
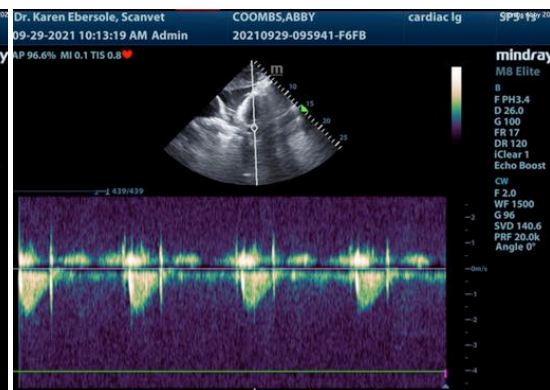
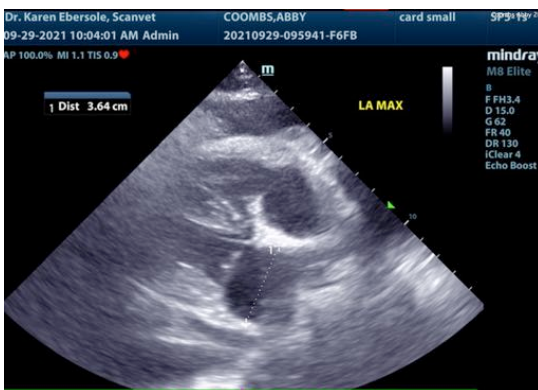
Dr. Goodman

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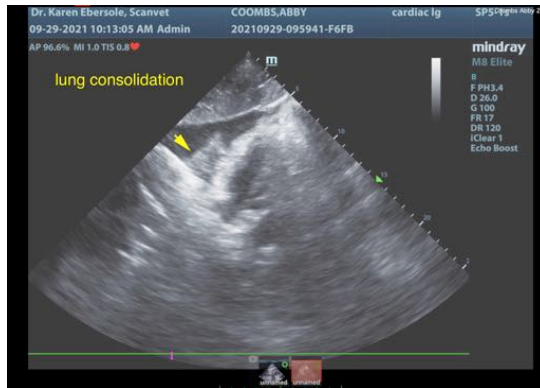
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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