



PATIENT PRESENTING CLINICAL SIGNS

Lia Perales
 Patient was presented for evaluation of 2 day history of anorexia. She has been lethargic. Does not have vomiting or diarrhea. Had dry cough last Friday. There has not been a diet change. She is fed wet Pedigree diet. She is not up to date on vaccines or preventives.

SPECIES
 Abnormal PE/Chem/CBC/UA Results: severe calculus accumulation, alopecia (possible callus) at left hind, small firm mass at caudal left mammary gland, dark brown debris AU, grade III-IV/VI heart murmur
 Canine HW test - low positive cbc - monocytosis 1.8k, eosinophilia 1.27k, thrombocytosis 514k chemistry - decreased amylase fecal - hookworms

BREED MIX
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

SEX
 Female
 The echocardiogram presented peripheral lung consolidation or edema with normal to subnormal left atrial size. The left ventricle was volume contracted with adequate contractility. However, paradoxical septal motion was present owing to right-sided volume overload. The right atrium was significantly enlarged with a 2:1 ratio with the left atrium. The right ventricle was also enlarged with eccentric hypertrophy and volume overload with a 2:1 ratio with the left ventricle. Severe tricuspid insufficiency was noted. There was flattening of the left ventricular septum. The pulmonary artery was significantly dilated at the heart base and measured 2.1 cm. I do not visualize any overt heartworms in the deep pulmonary artery.

WEIGHT
 14.8 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			1.0	1.1	30		0.16
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	140		0.73	14.8 lbs	2.6	1.2	

INTERPRETED BY
 Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY
 Dr. Ferrer

HOSPITAL NAME
 Paseos VC

REFERRING VET
 Dr. Martes

ULTRASONOGRAPHIC FINDINGS

INVOICE
 95445
 Likely secondary right-sided heart failure owing to primary lung disease. Non-cardiogenic pneumonitis, thoracic neoplasia, pulmonary thromboembolic disease and heartworms should all be considered.

DATE
 1/20/22



PATIENT

Lia Perales

SPECIES

Canine

BREED

Mix

SEX

Female

AGE

11 years

WEIGHT

14.8 lbs

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INVOICE

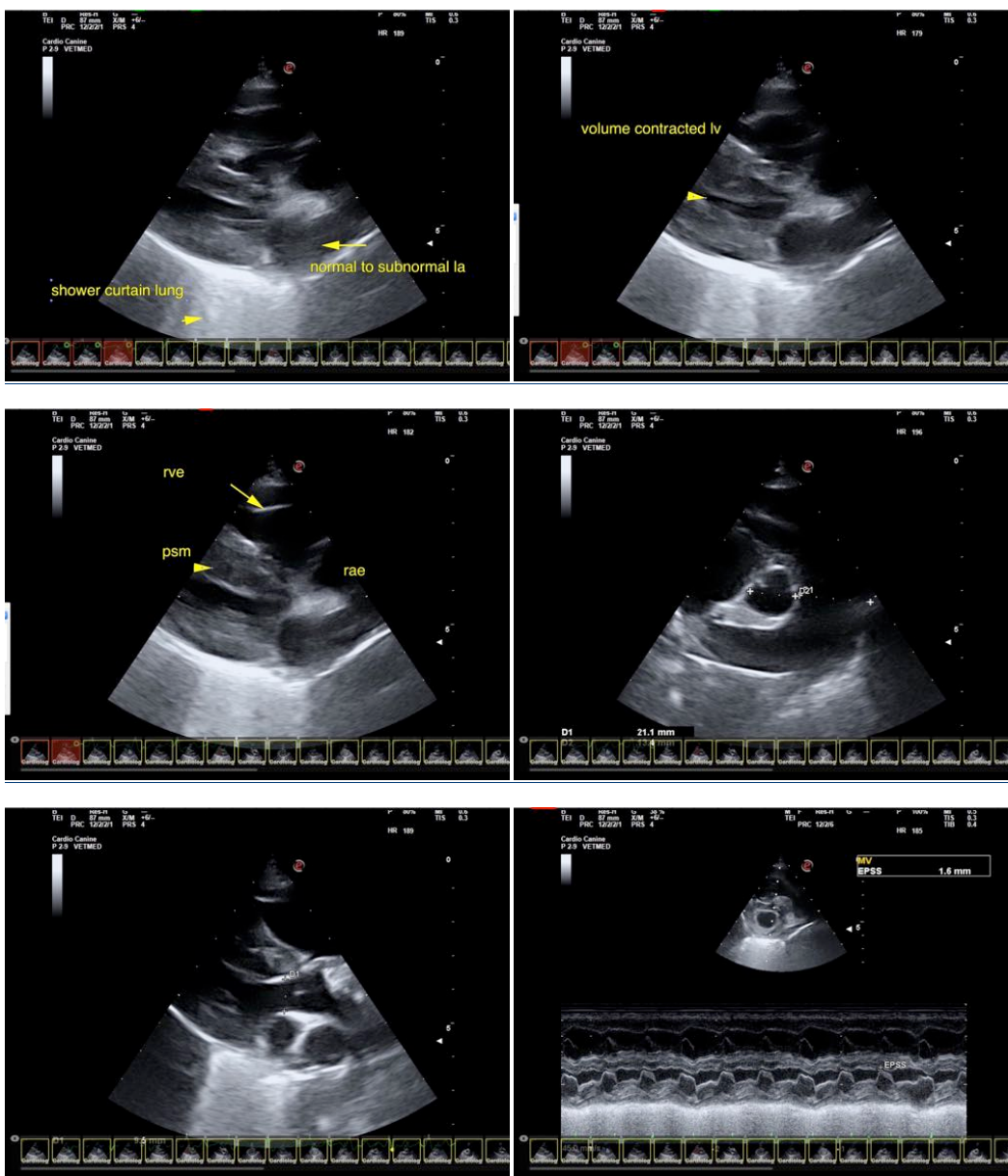
95445

DATE

1/20/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend primary respiratory therapy with bronchodilators, broad spectrum antibiotics and further therapy based on the thoracic radiographic patterns. Sildenafil can be initiated at 1 mg/kg b.i.d. increasing to 1.5 mg/kg b.i.d. in 2 weeks. However, this patient is at risk for sudden death depending on the primary pulmonary disease. Pimobendan can also be initiated at 0.3 mg/kg b.i.d. Spironolactone is recommended at 1-2 mg/kg b.i.d. However, the prognosis is severely guarded to poor depending on response to therapy. Sudden death is a high risk.





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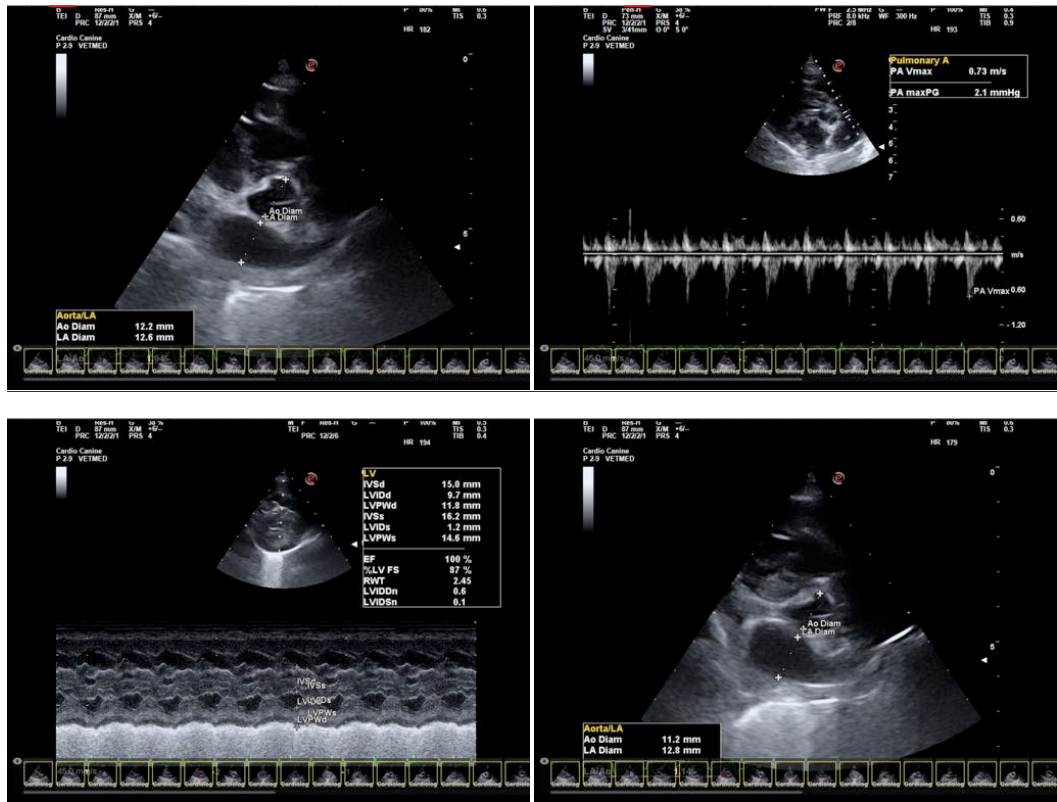
Female

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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.

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