


PATIENT

Bella Salinas

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

8 Years 5 Months

WEIGHT

5.8 Pounds

INTERPRETED BY

 Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Jessie Evoniuk

HOSPITAL NAME

State Ave Vet

REFERRING VET

Dr. Jessie Evoniuk

INVOICE

26676

DATE

10/27/21

PRESENTING CLINICAL SIGNS

Normally fractious and requires muzzling for handling but quiet and no resistance today. Increased RR and effort. Open mouth breathing. mm mild blue haze. Eyes dilated. HR= 140 RR >70. Heart murmur. Immediately gave Butorphanol, Furosemide IM, and placed in O2 prior to rads. Previous Echo Sept 23-ACVIM B2 chronic mitral valve disease. Rad report: 1. Similar left sided cardiomegaly - This is consistent with the previously diagnosed myxomatous mitral valve degeneration. 2. Diffuse bronchointerstitial pattern with nodules - This may represent heart failure with concurrent underlying chronic lower airway disease, however neoplasia and fungal disease are also considered.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.1	--	25	--	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	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				
PATIENT	--	--	--		--	1.2	

Cardiac Presentation

The cardiac presentation revealed right sided volume overload with severe tricuspid insufficiency. The left heart was unremarkable. Multifocal lung consolidations were noted in this patient. Limited exam owing to the respiratory distress. No pericardial or pleural effusion noted.

ULTRASONOGRAPHIC FINDINGS

- Right-sided cardiac enlargement owing to primary respiratory disease, pulmonary thromboembolic disease, pneumonitis, metastatic disease all possible

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of left-sided volume overload. Primary respiratory protocol warranted and assessment for causes of thromboembolic events or pneumonitis. Assessment of hepatic veins and tricuspid insufficiency velocities ideal to assess for pulmonary hypertension and/or right-sided failure. However, the primary respiratory issue is likely the underlying cause.



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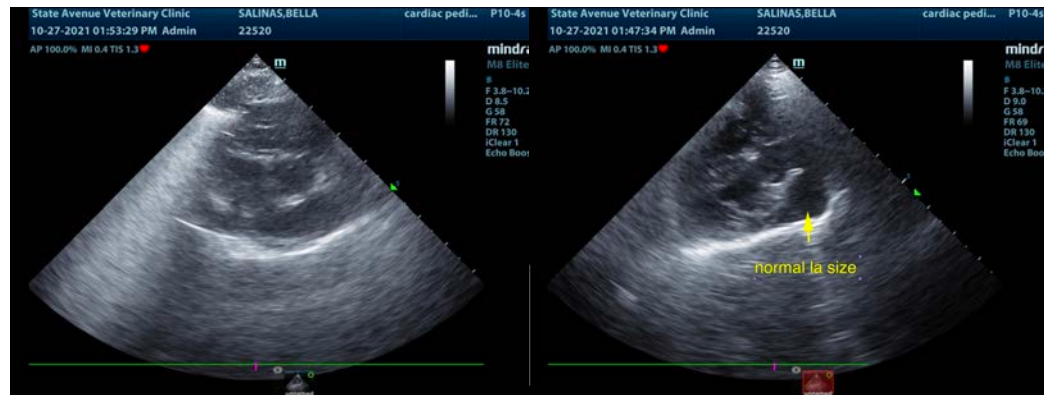
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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