



PATIENT PRESENTING CLINICAL SIGNS

Bosco Reilly History: recheck from 6/24/21- tricuspid dz, pulmonary hypertension. Is on sildenafil

SPECIES BREED SEX AGE WEIGHT INTERPRETED BY

Canine

Shih Tzu

Neutered male

9 years

18.7 lbs

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Diane McFadden, RVT

Fredon AH

91856

9/16/21

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram presented a prominent right heart with mild right ventricular hypertrophy, without significant tricuspid regurgitation, and normal right atrial size. No evidence of neoplasia was noted in the right auricle, or elsewhere in the heart. The pulmonary artery was uniformly prominent with mildly depressed pulmonic velocity measured on PW Doppler. No overt heartworms were noted in the main or visible deep pulmonary arteries. Yet, theoretically heartworms could be present in the deep pulmonary vasculature out of visible sonographic range. More likely, however, this prominent right heart is due to excessive intra-thoracic pressures caused by chronic respiratory disease or potentially excessive intra-thoracic fat (Pickwickian syndrome). The left heart demonstrated a linear ventricular septum. Contractility was functionally adequate demonstrated by the FS% measurement. The mitral valve was not significantly insufficient and no significant left atrial dilation was noted. The left ventricular outflow demonstrated normal flow patterns and velocities through the aortic valve. No evidence of tumor, pericardial or pleural effusion was noted. The visible extra-cardiac tissues were uniformly linear without evidence of masses, infiltrative or inflammatory mediastinal tissue. No evident arrhythmic activity was noted during the exam. The hepatic veins were prominent, yet not overtly dilated.

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		3.13	NM	1.14	46	80	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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		1.8	1.2	18.7 lbs	2.43	2.16	

ULTRASONOGRAPHIC FINDINGS

Stable tricuspid insufficiency. Cor pulmonale presentation.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend maintaining the current protocol. There is no evidence of clinical cardiac disease noted at this time. This appears to be compensated on the current protocol. Recheck echocardiogram is recommended in 6 months or earlier if exercise intolerance is an issue. If any coughing is an issue this is non-cardiogenic in nature as the left atrial size is completely normal in this patient.



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**IMAGING
PERFORMED BY**

Diane McFadden, RVT

HOSPITAL NAME

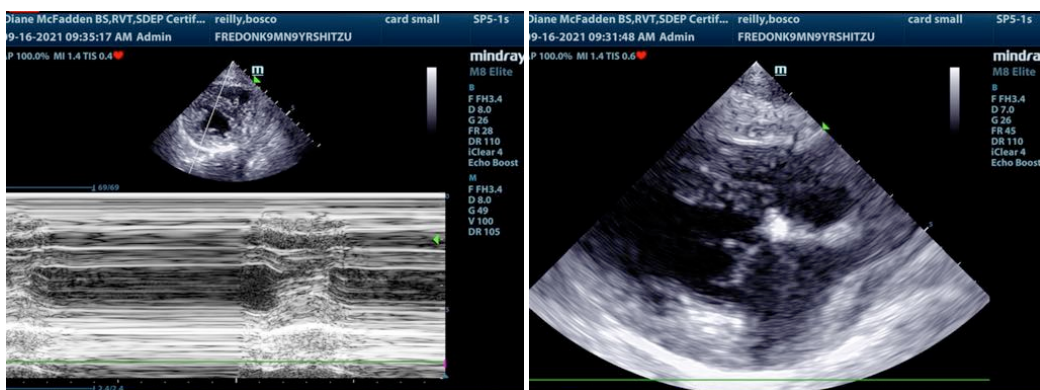
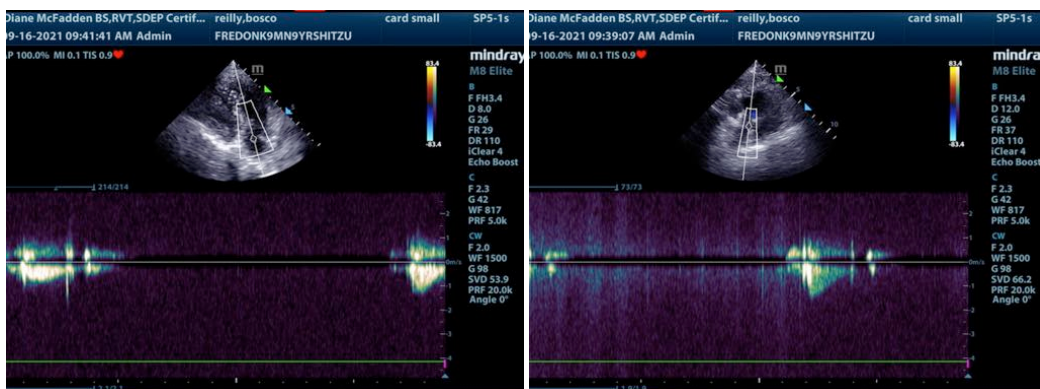
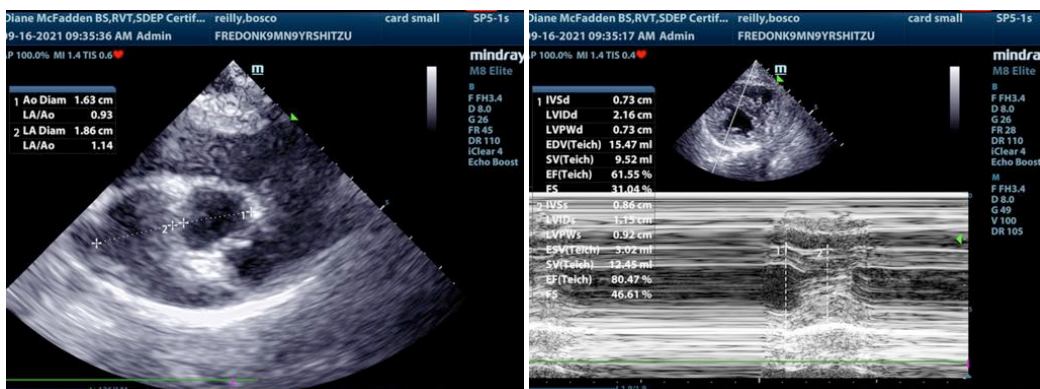
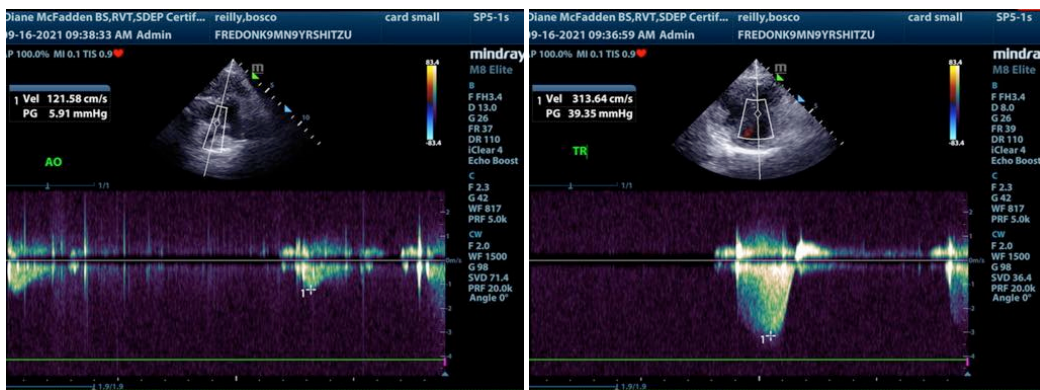
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PATIENT

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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.

SPECIES

Canine

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.

BREED

Shih Tzu

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

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