



PATIENT

Teddy Fusari

SPECIES

Canine

BREED

Shih Tzu

SEX

Male Neutered

AGE

15 years

WEIGHT

16lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Littleton Animal
Hospital

REFERRING VET

Dr. Brooks

INVOICE

25085

DATE

6/30/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage B2. Currently, occasional cough, but otherwise doing well. Grade IV/VI systolic murmur, lungs clear, normal respiratory rhythm. Current medications: Enalapril 2.5mg BID; Spironolactone 25mg/ml 15lb dose SID, Pimobendan 2.5mg BID.

-Pertinent previous echo findings (8/26/21 Maggie Machen Lamy, DVM, DACVIM-Cardiology): LA 3.2 cm; LA:Ao 2.5; LV 3.7 cm; severe LAE; mild LVE; severe MR; mild TR (3.0 m/s; 37 mmHg); early pulmonary hypertension

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.

Left ventricle: LV is mildly dilated with hyperdynamic function.

Left atrium: The left atrium is severely dilated.

Mitral valve: Diffuse thickening of mitral valve leaflets with prolapse into the left atrial lumen. Severe eccentric mitral regurgitation, normal velocity.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. No aortic insufficiency.

Right ventricle: Mild RV dilation.

Right atrium: Mild RA dilation.

Tricuspid valve: The tricuspid valve appears mildly thickened with mild tricuspid regurgitation. TR velocity is mildly elevated consistent with early pulmonary hypertension.

Pulmonic valve/Pulmonary artery: The pulmonic valve is normal in morphology and mobility. Normal pulmonic outflow velocities. No pulmonic insufficiency.

Pericardium/other: No pericardial or pleural effusion noted. No obvious cardiac masses.

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 100bpm.

2-Dimensional Measurements

Ao diam (cm)	3.2
LA diam (cm)	1.3
LA:Ao (Swe)	2.5
IVS thickness (cm)	0.7
LVID diastole (cm)	3.2
PW thickness (cm)	0.7
LVID systole (cm)	1.2
FS (%)	61

Doppler Measurements

PV Vmax (m/s)	0.81
AoV Vmax (m/s)	1.8
MR Vmax (m/s)	5.4
TR Vmax (m/s)	3.0
TR PG (mmHg)	37

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease persists with evidence of stability. While severe the left heart dimension are unchanged from the prior study. Mild pulmonary hypertension is unchanged and additional issues are identified.

Given these findings, continue all medications as prescribed. Patient remains at risk for CHF and monitoring of sleeping breathing rates is advised.

Long term prognosis remains guarded to poor; however, I am hopeful we can stabilize the patient for some time on medications. Once CHF develops, they are generally able to maintain a good quality of life for an average of 8-12 months. Patient will always be at risk



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for progression to CHF, development of arrhythmias/LA tear, syncope and/or sudden death in the future.

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RECOMMENDATIONS

- Continue 3 medications as previously prescribed.
- Elective anesthesia is not advised.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes. Monitoring of sleeping breathing rates is the best way to screen for progression to CHF at home.

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PLAN

- Monitoring renal panel and BP every 3-4 months lifelong.
- A recheck echocardiogram is recommended in 6 months to screen for progression, sooner if clinical signs arise.

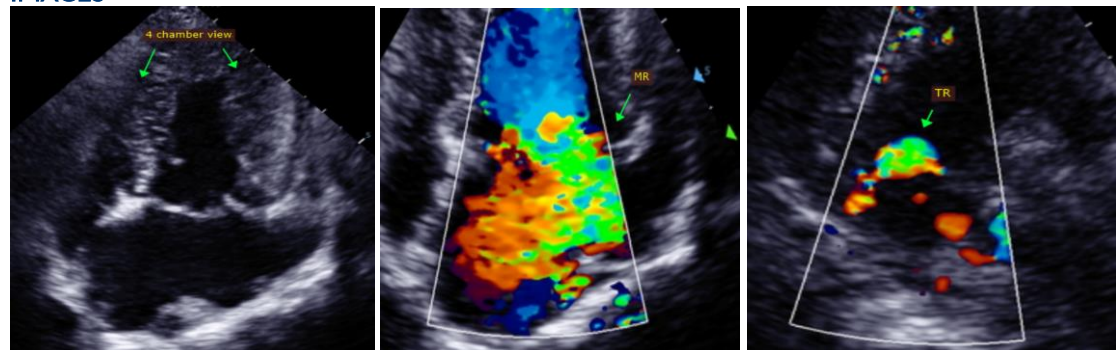
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

IMAGING PERFORMED BY

Pamela Harrigan,
 RDCS

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

HOSPITAL NAME

Littleton Animal
 Hospital

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