



PATIENT

Tiki Martin

SPECIES

Canine

BREED

Poodle

SEX

Male Neutered

AGE

14 years

WEIGHT

11.6lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDMS

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

INVOICE

21383

DATE

10/6/21

PRESENTING CLINICAL SIGNS

History: Tiki was referred for evaluation of a heart murmur heard in February. She has some wheezing noises along with her cough. The cough seems somewhat improved since started on cough tabs (guaifenesin with dextrom). Has collapsing trachea on radiographs. She is currently eating well and doing well otherwise. CV/RESP: NSR, grade II/VI murmur with PMI left apical area, PSS, lung fields clear. BP: 160mmHg.

-Current medications: 1) Cough tabs (guaifenesin 100mg with dextromethorphan 10mg) 1/4 tab twice a day 2) Flurbiprofen daily OD 3) Tacrolimus twice a day OD.

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: The LV diameter is normal with adequate myocardial function. LV wall thicknesses are normal.

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve is mildly thickened with minimal prolapse into the left atrial lumen. Trace/mild eccentric mitral regurgitation.

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

Right ventricle: Normal right ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension.

Right atrium: Normal RA dimension.

Tricuspid valve: The tricuspid valve appears normal with no tricuspid regurgitation.

Pulmonic valve/pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow.

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

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 170bpm.

2-Dimensional Measurements

Ao diam (cm)	1.2
LA diam (cm)	1.1
LA:Ao (Swe)	0.9
IVS thickness (cm)	0.5
LVID diastole (cm)	1.7
PW thickness (cm)	0.5
LVID systole (cm)	0.6
FS (%)	64

Doppler Measurements

PV Vmax (m/s)	0.74
AoV Vmax (m/s)	0.94
MR Vmax (m/s)	NM
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease causing trace/mild mitral regurgitation. Lack of significant left atrial enlargement indicates the current risk for complication is low. No concurrent issues such as pulmonary hypertension are noted in this study.

Given these findings, the cough is unlikely to be cardiac in origin and primary respiratory causes should be considered. Consider further respiratory work up/treatment (hydrocodone, taper course of steroids, Enrofloxacin, TTW/BAL, etc.).

Assessment of progression in the future will help predict long term prognosis, which is highly variable at this stage (B1).



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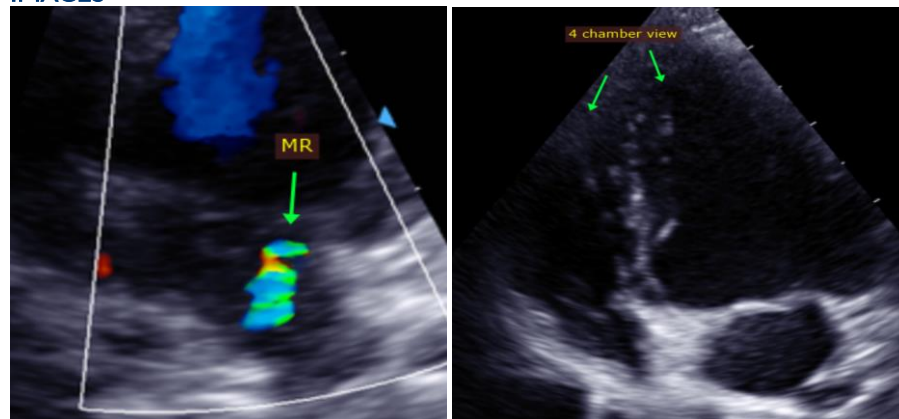
RECOMMENDATIONS

- In a dog without significant left atrial enlargement, no cardiac medications are clearly indicated.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- No cardiac contraindication for general anesthesia prior to chamber enlargement.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

PLAN

- Recommend conservative monitoring with a recheck echocardiogram in 6 months, sooner if any development of clinical signs.

IMAGES



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. 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.

Maggie Machen Lamy, DVM
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Echocardiogram performed by: Pamela Harrigan, RDCE
Pet Animal Ultrasound Service (4paus.com)