



PATIENT

Bear Belanger

SPECIES

Canine

BREED

Poodle Mix

SEX

Male Intact

AGE

8 years

WEIGHT

16.5lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary Services

REFERRING VET

Dr. Masloski

INVOICE

25133

DATE

7/5/22

PRESENTING CLINICAL SIGNS

History: Bear was noted to have a heart murmur in June 2017 when he was seen for a cough. He has a growth on his leg that needs to be removed. Bear's coughing is limited to activity and exertion. He is presently eating well with normal activity. On exam: NSR, grade IV/VI murmur with PMI left apical area radiating to right, PSS, lung fields clear. BP: 160-170mmHg. No medications. *Sedated with propofol for study.

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 no prolapse into the left atrial lumen. Trivial mitral regurgitation.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. 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 trivial tricuspid regurgitation. Normal velocity.

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 120bpm.

2-Dimensional Measurements

Ao diam (cm)	1.5
LA diam (cm)	1.8
LA:Ao (Swe)	1.2
IVS thickness (cm)	0.7
LVID diastole (cm)	2.0
PW thickness (cm)	0.7
LVID systole (cm)	1.3
FS (%)	35

Doppler Measurements

PV Vmax (m/s)	0.77
AoV Vmax (m/s)	1.2
MR Vmax (m/s)	
TR Vmax (m/s)	2.0
TR PG (mmHg)	16

INTERPRETATION OF THE FINDINGS

Overtly normal cardiac structure and function. No cause of the murmur is identified in this study. Trivial MR and TR are noted; however, these are unlikely to be heard on physical exam. In the absence of significant volume changes (dehydration) or anemia, other possibilities include a physiologic flow murmur only present with elevated heart rates, or a small flow abnormality not seen here. Baseline lab work is recommended if not recently performed. It is reasonable to monitor periodically via recheck echocardiography in the future, particularly should the murmur persist/progress. No significant valvular insufficiencies were noted, and no structural issues identified.

This would certainly suggest the cough is non-cardiac in origin. Chronic respiratory disease can lead to PAH, and monitoring for this development is advised (exertional syncope/dyspnea).



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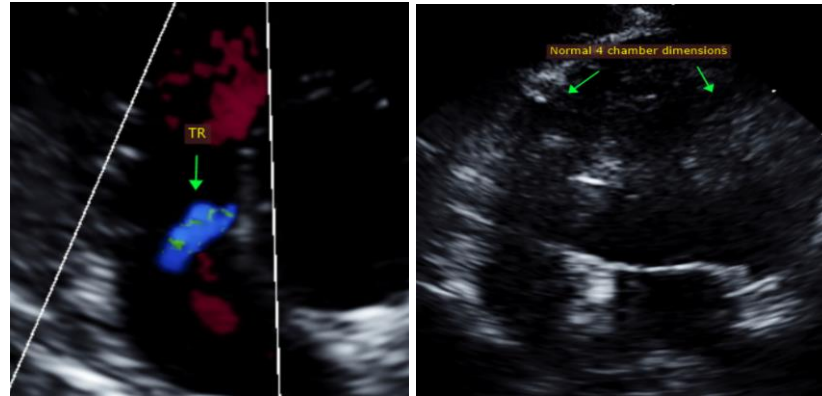
RECOMMENDATIONS

- No cardiac medications are indicated at this time. Monitor for any development of cough, labored breathing, syncope or exercise intolerance.
- No cardiac contraindication for general anesthesia.

PLAN

- Recommend recheck echocardiogram in 12-18 months to screen for progression or development of concurrent cardiac disease that the preexisting murmur may mask.

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.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

Echocardiogram performed by: Pamela Harrigan, RDCS
Pet Animal Ultrasound Service (4paus.com)

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