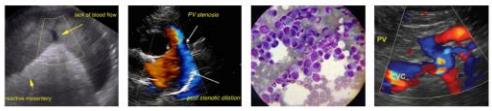
PAUS
Pet Animal Ultrasound Service
4paus.com 781-635-5677



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com

PATIENT
Missimer Dash

SPECIES
Canine

BREED
Brittany Spaniel

SEX
Male Neutered

AGE
11 years

WEIGHT
39lbs

INTERPRETED BY
Maggie Machen Lamy, DVM DACVIM (Cardiology)

IMAGING PERFORMED BY
Pamela Harrigan, RDCS

HOSPITAL NAME
Norfolk County Veterinary Service

REFERRING VET
Dr. Ragon

INVOICE
2449

DATE
5/26/22

PRESENTING CLINICAL SIGNS

History: Intermittent vomiting; slight weight loss. New grade I-II/VI systolic murmur. BP: 140, 142, 146mmHg.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.
Left ventricle: The LV diameter is normal with mildly depressed 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.
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.

2-Dimensional Measurements

Ao diam (cm)	2.1
LA diam (cm)	2.3
LA:Ao (Swe)	1.1
IVS thickness (cm)	1.1
LVID diastole (cm)	3.4
PW thickness (cm)	1.1
LVID systole (cm)	2.5
FS (%)	26

Doppler Measurements

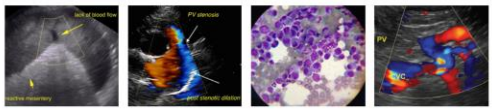
PV Vmax (m/s)	0.6
AoV Vmax (m/s)	1.2
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

No cause of the murmur is identified in this study. 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. **Borderline myocardial function is identified, which may be a normal variant or may reflect early dysfunction.** Consider screening for underlying issues, such as atypical diet or hypothyroidism. No significant valvular insufficiencies were noted, and no structural issues identified.

RECOMMENDATIONS

- No cardiac medications are indicated at this time. Monitor for any development of cough, labored breathing or exercise intolerance.
- Consider diet history/thyroid status as discussed.
- No cardiac contraindication for general anesthesia.



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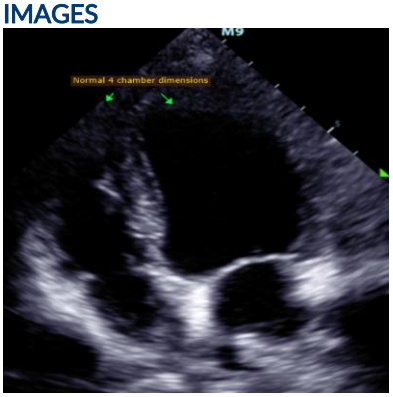
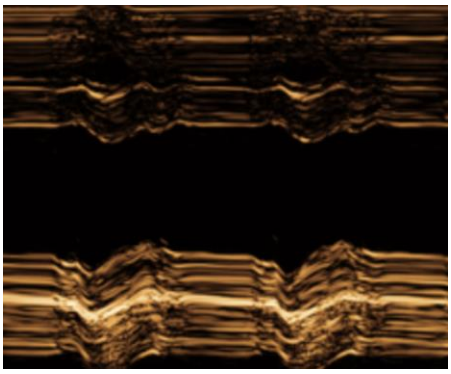
PLAN

- Recommend recheck echocardiogram in 1 year 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.

Maggie Machen Lamy, DVM
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