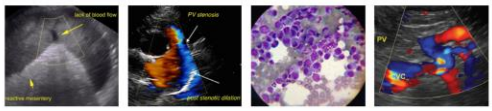
PAUS
Pet Animal Ultrasound Service
4paus.com 781-635-5677



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

PATIENT
Kira Hebert

SPECIES
Canine

BREED
Pitbull

SEX
Female Spayed

AGE
5 years

WEIGHT
52.9lbs

INTERPRETED BY
Maggie Machen Lamy, DVM DACVIM (Cardiology)

IMAGING PERFORMED BY
Pamela Harrigan, RDCS

HOSPITAL NAME
Wignall Animal Hospital

REFERRING VET
Dr. Colella

INVOICE
26016

DATE
8/25/22

PRESENTING CLINICAL SIGNS

History: Had TPLO 7/26. Since then, has had decreased appetite and fever. All diagnostics normal. Concern for endocarditis. -Prednisone 5mg 1t BID -Amoxicillin 500mg 1t TID -Doxycycline 100mg 2 1/2t *Sedated with Butorphanol 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. Trace central MR.
Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity depending on heart rate; 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 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 120bpm.

2-Dimensional Measurements

Ao diam (cm)	2.3
LA diam (cm)	1.6
LA:Ao (Swe)	1.2
IVS thickness (cm)	0.8
LVID diastole (cm)	4.4
PW thickness (cm)	0.8
LVID systole (cm)	2.9
FS (%)	34

Doppler Measurements

PV Vmax (m/s)	0.86
AoV Vmax (m/s)	2.0
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Overtly normal cardiac structure and function. The overall dimensions are normal with no evidence of significant structural disease. Follow up is advised should a murmur be ausculted in the future. No additional issues are identified.

Endocarditis is considered unlikely without obvious aortic or mitral valve changes, new insufficiency such as AI/MR or secondary volume changes to the cardiac structures. That being said, it is important to note that vegetative lesions are not always visualized with endocarditis, and ultrasound is a fairly poor screening tool. If there is any question going forward, blood cultures can be considered.

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

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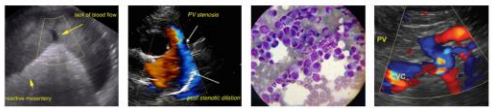

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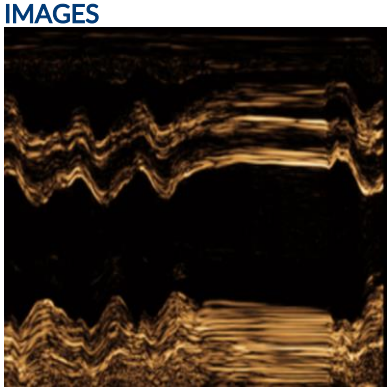
RECOMMENDATIONS

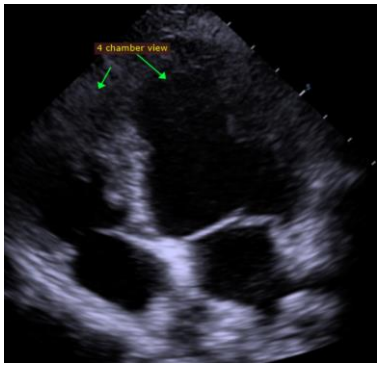
- Consider blood cultures, systemic evaluation as discussed.
- No cardiac medications are clearly indicated.
- No cardiac contraindication for general anesthesia.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

PLAN

- Recommend conservative monitoring with a recheck echocardiogram should a murmur or signs of cardiac compromise be noted in the future.

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
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
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