



PATIENT

Cleo Lewis

SPECIES

Canine

BREED

Labradoodle

SEX

Female Intact

AGE

6 months

WEIGHT

16lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
RDMS

HOSPITAL NAME

Falmouth Animal
Hospital

REFERRING VET

Dr. Hauser

INVOICE

27580

DATE

11.21/22

PRESENTING CLINICAL SIGNS

History: Diagnosis PDA made on Echocardiogram performed on 9/19/22 (Maggie Machen Lamy, DVM, DACVIM-Cardiology). Was referred to Tufts for PDA closure (via hemoclips) on 10/17/22. She recovered very well. Pimobendan was discontinued due to GI symptoms. Hoping to clear her for spay procedure. BP: 120, 132, 130mmHg.
-Pertinent previous echo findings: LA 2.7 cm, LA:Ao 1.7, LV 3.8 cm, mild- moderate LAE, LVE, PDA Vmax 4.5 m/s.

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 mild prolapse into the left atrial lumen. No 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 trace tricuspid regurgitation.
Pulmonic valve/pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow. Small jet of residual ductal flow seen; max velocity: 4.4m/s.
Pericardium/other: No pericardial or pleural effusion noted. No obvious cardiac masses.
Heart rhythm: ECG reveals a sinus rhythm with an average HR of 140bpm.

2-Dimensional Measurements

Ao diam (cm)	2.0
LA diam (cm)	2.1
LA:Ao (Swe)	1.1
IVS thickness (cm)	0.6
LVID diastole (cm)	3.3
PW thickness (cm)	0.6
LVID systole (cm)	2.5
FS (%)	23

Doppler Measurements

PV Vmax (m/s)	1.1
AoV Vmax (m/s)	1.5
MR Vmax (m/s)	NA
TR Vmax (m/s)	NM
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Compared to the prior study, both the LA and LV dimensions are significant improved due to inclusion of the ductus. A small jet of residual L-R PDA flow remains; however, this appears hemodynamically insignificant. Of some concern, the LV function is mildly depressed, which was not seen on the prior study. Assuming the patient was not sedated, this should certainly be monitored going forward. No additional issues are identified.

Prognosis is open. Patient will always be at risk for development of chronic degenerative valve disease with age, which may lead to murmur and or chamber enlargement. Monitoring is advised. Certainly, avoiding atypical diets long-term is recommended in this predisposed breed.



PATIENT

Cleo Lewis

SPECIES

Canine

BREED

Labradoodle

SEX

Female Intact

AGE

6 months

WEIGHT

16lbs

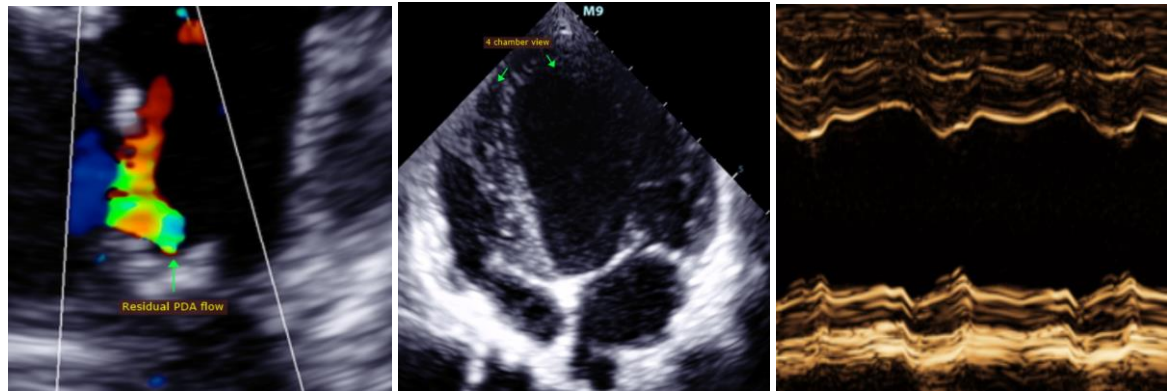
RECOMMENDATIONS

- No cardiac medications are clearly indicated.
- No cardiac contraindication for general anesthesia. Mild IV fluid restriction is advised.
- Monitor for development of a murmur, cough, labored breathing, exercise intolerance or collapse episodes.

PLAN

- Recommend a recheck echocardiogram in 6 months to screen for any progressive LV dysfunction, sooner if clinical signs arise.

IMAGES



INTERPRETED BY

Maggie Machen
 Lamy, DVM
 DACVIM (Cardiology)

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.

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

HOSPITAL NAME

Falmouth Animal
 Hospital

REFERRING VET

Dr. Hauser

INVOICE

27580

DATE

11.21/22