



PATIENT

Zoey Jakobek

SPECIES

Feline

BREED

DSH

SEX

Female Intact

AGE

9 months

WEIGHT

6.63lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary Services

REFERRING VET

Dr. Masloski

INVOICE

26713

DATE

10/5/22

PRESENTING CLINICAL SIGNS

History: Zoey was noted to have a heart murmur in April. After adoption in February, she was hospitalized with pneumonia. Has been on the small side. Her appetite has improved over time, and she is gaining weight. She continues to be playful, but she does sometimes seem a bit winded after vigorous play. On exam, NSR, grade I/VI parasternal murmur, PSS, lung fields clear, compressible thorax. BP: 120mmHg x 4. *No sedation 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. The LV wall thicknesses are normal. The papillary muscles are normal. The endocardium appears normal.

Left atrium: The left atrium is normal in dimension. No obvious spontaneous contrast or thrombi seen.

Mitral valve: The mitral valve is normal in structure and mobility. No obvious systolic anterior motion is seen. No MR.

Aortic valve/Aorta: The aortic valve is bicuspid without obvious stenosis. 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: The right atrium is normal in 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.

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

2-Dimensional Measurements

Ao diam (cm)	0.7
LA diam (cm)	1.0
LA:Ao (Swe)	1.4
IVS thickness (cm)	0.37
LVID diastole (cm)	1.4
PW thickness (cm)	0.40
LVID systole (cm)	0.7
FS (%)	50

Doppler Measurements

PV Vmax (m/s)	1.1
AoV Vmax (m/s)	1.8
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 LV wall thickness is normal and there is no evidence of elevated left atrial pressure. The only abnormality identified is a bicuspid aortic valve. No obvious stenosis is seen with a normal outflow profile. That being said, there is suspicion that a mild outflow murmur through the region may be present at elevated heart rates, which appears relatively benign. No additional issues are identified.

RECOMMENDATIONS

- Given these findings, no medications are indicated.
- No cardiac contraindication for general anesthesia.



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- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).

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PLAN

- Recommend recheck echocardiogram in 1 year to reassess murmur origin and screen for development of disease the pre-existing murmur may mask.

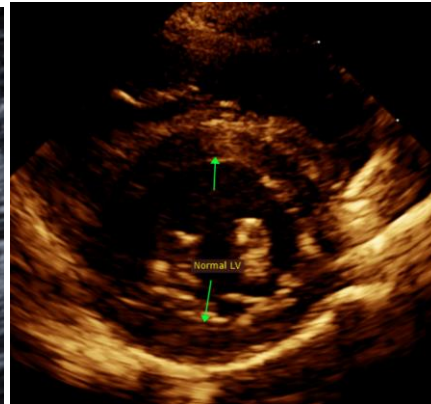
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IMAGES



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.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

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

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

Echocardiogram performed by:

Pamela Harrigan, RDCS
Pet Animal Ultrasound Service (4paus.com)

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