



PATIENT

Roxi Hicks

SPECIES

Canine

BREED

American Bulldog

SEX

Female Intact

AGE

11 months

WEIGHT

59lbs

PRESENTING CLINICAL SIGNS

History: Roxi is referred to evaluate a heart murmur noted in March. She needs to be spayed. She has a good appetite with no noted C/S/V/D/PU/PD. She continues to be active and playful. Diet: Natural Recipe grain free CV/RESP: NSR, grade III/VI murmur with PMI left apical area, PSS, lung fields clear. BP: 160mmHg x 3. *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 mildly depressed myocardial function (likely due to sedation). LV wall thicknesses are normal. No obvious ridge in the LVOT.

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve is normal, with no prolapse into the left atrial lumen. Trace central mitral regurgitation.

Aortic valve/Aorta: The aortic valve appears minimally thickened. Mildly elevated aortic outflow velocity. 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.

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 100bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING

PERFORMED BY

Pamela Harrigan,
RDCS

2-Dimensional Measurements

Ao diam (cm)	2.0
LA diam (cm)	2.3
LA:Ao (Swe)	1.2
IVS thickness (cm)	0.9
LVID diastole (cm)	3.8
PW thickness (cm)	1.0
LVID systole (cm)	2.9
FS (%)	25

Doppler Measurements

PV Vmax (m/s)	0.86
AoV Vmax (m/s)	2.0
MR Vmax (m/s)	NM
TR Vmax (m/s)	1.8
TR PG (mmHg)	13

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

INVOICE

21384

DATE

10/6/21

INTERPRETATION OF THE FINDINGS

The only cause of a murmur identified is mildly increased flow velocity through the aortic root. The aortic valve appears mildly thickened, indicating a form of mild valvular stenosis. Given the mild nature of the findings and normal LV dimensions, this is likely of little clinical significance. The LV function is mildly depressed; however, this is likely due to heavy sedation. No additional valvular insufficiencies were noted, and no structural issues identified.

RECOMMENDATIONS

- No cardiac medications are clearly indicated.
- No cardiac contraindication for general anesthesia. This type of valve abnormality carries a slight predisposition for development of endocarditis and prophylactic antibiotics are recommended for any dental or orthopedic procedure lifelong.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.



PATIENT

Roxi Hicks

SPECIES

Canine

BREED

American Bulldog

SEX

Female Intact

AGE

11 months

WEIGHT

59lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING

PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

INVOICE

21384

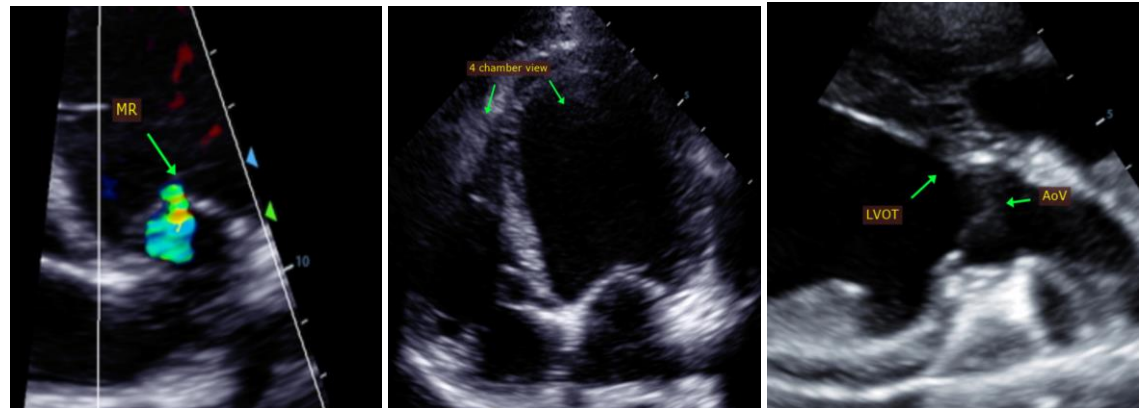
DATE

10/6/21

PLAN

- Recommend conservative monitoring with a recheck echocardiogram in 1 year to screen for progression; if unchanged, every 2 years is recommended to screen for development of concurrent issues 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
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

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