



PATIENT

Bella Kelley

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

5 years

WEIGHT

15.3 lbs

PRESENTING CLINICAL SIGNS

History: Murmur first diagnosed on 6/2020, heard loudest sternally and on the right side. Rechecked 9/2020 and was both left and right sided, no change in how it sounded. Recheck 8/2021 and was heard sternally and more left-sided but has not worsened. Patient continues to do well at home, no lethargy, wheezing or coughing noted by owner.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. Trivial **mitral** valve insufficiency was noted in this patient. This is not clinically significant. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions and angles of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window. Occasional arrhythmia was noted. A large amount of thoracic fat was present.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Goodman

HOSPITAL NAME

Evendale Blue Ash Pet
Hospital

REFERRING VET

Dr. Goodman

INVOICE

97782

DATE

3/24/22

| FELINE CARDIAC PARAMETERS | BODY WEIGHT (kg) | HR (BPM) | IVSd (cm) | LVIDd (cm) | LVWd (cm) | FS (%) | EF (%) |
|--|------------------------|------------------------------------|---|--------------------|--------------------|--------------|-----------|
| NORMAL PARAMETER | ----- | 150-240 | 0.3-0.6 | 1.0-2.1 | 0.25-0.6 | 35-67 | 80-100 |
| PATIENT | | NM | | 0.8 | | 55 | |
| FELINE CARDIAC PARAMETERS | LA/AO (Boon) | LA/AO HEART BASE (Sisson) | LA 2D 4-chamber long axis AS to FW (Sisson) (cm) | LVOT VEL. (m/s) | RVOT VEL. (m/s) | IVRT (m/) | |
| NORMAL PARAMETER | <1.5 | 0.88-1.79 | 0.7-1.7 | <1.6 | <1.3 | 40-60 | |
| PATIENT | 1.2 | 1.2 | 1.1 max | | | | NM |
| Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705 | | | | | | | |



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ULTRASONOGRAPHIC FINDINGS

Minor left ventricular hypertrophy and trivial mitral valve insufficiency, not clinically significant.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No therapy is recommended. EKG is indicated.

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Domestic Shorthair

SEX

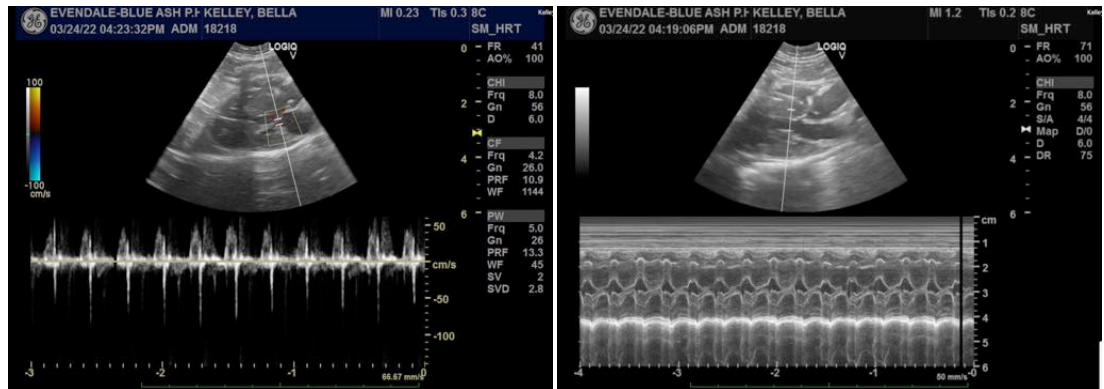
Spayed Female

AGE

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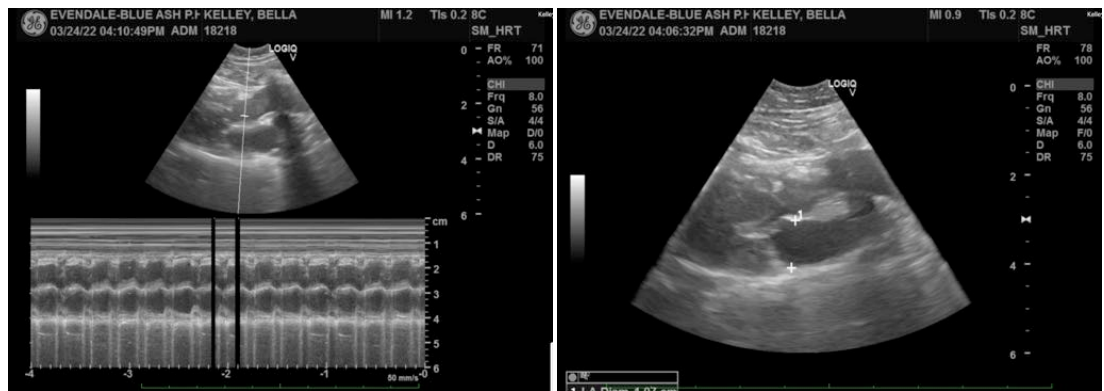
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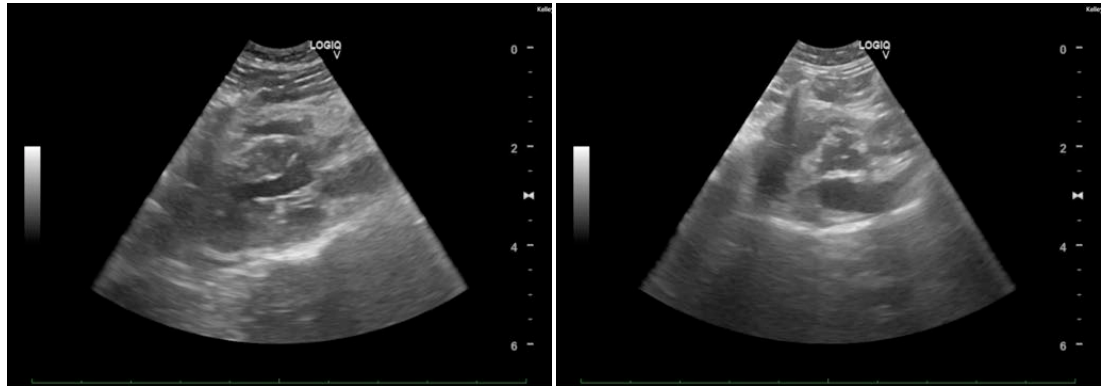
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

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