



**PATIENT**

Chewy Thayer

**SPECIES**

Feline

**BREED**

Domestic Medium Hair

**SEX**

Neutered male

**AGE**

14 years

**WEIGHT**

12.75 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenna Walsh

**HOSPITAL NAME**

Albany AH

**REFERRING VET**

Dr. Glaze

**PRESENTING CLINICAL SIGNS**

History: Grade 4 systolic murmur and gallop heard on exam. Has lost 10% body weight over the last year. Owner reports decreased energy. Patient does have pain on flexion/extension of lower back. BP-120

Chem CBC unremarkable. Creatinine 2.4 but USG is 1.050. SDMA WNL. T4 is WNL

**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. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. Mild **myocardial** remodeling was noted. **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. Trivial **tricuspid** insufficiency was noted at 1.8 m/sec. 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.

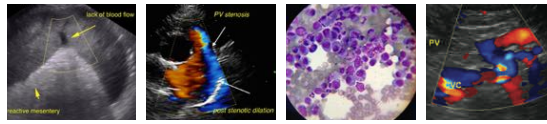
| FELINE CARDIAC PARAMETERS  | BODY WEIGHT  | HR (BPM)                  | IVSd (cm)  | LVIDd (cm)      | LVWd (cm)       | FS (%)    | EF (%) |
|--|--------------|---------------------------|--|-----------------|-----------------|-----------|--------|
| NORMAL PARAMETER   | -----        | 150-240                   | 0.3-0.6  | 1.0-2.1         | 0.25-0.6        | 35-67     | 80-100 |
| PATIENT  | 12.75 lbs    | NM                        | 0.45   | 1.2             | 0.35            | 45        |        |
| 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  | 1.09         | 1.12                      |  | 1.1             | 0.7             | NM        |        |
| Adapted from June Boon, Veterinary Echocardiography, 1998<br>Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705 |              |                           |  |                 |                 |           |        |

**DATE**

9/10/21

**Invoice**

91769



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**ULTRASONOGRAPHIC FINDINGS**

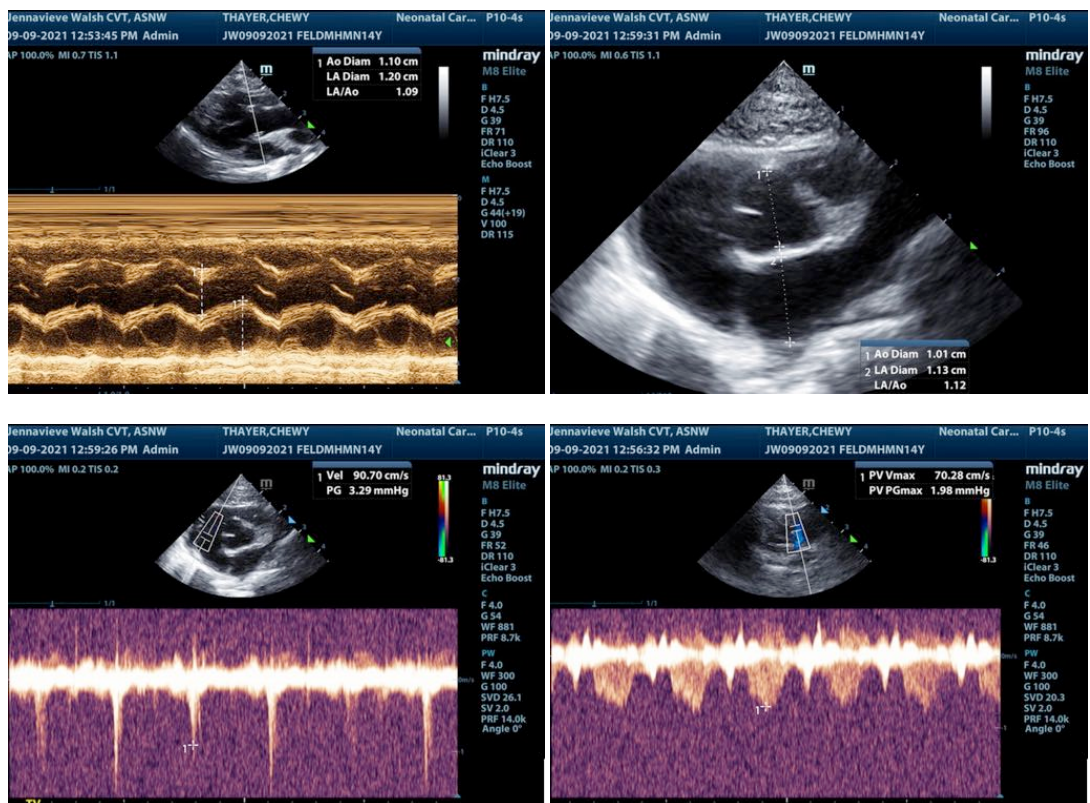
Trivial mitral and tricuspid insufficiency, not clinically significant.

Mild myocardial remodeling.

Essentially geriatric heart. Benign flow murmurs.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No volume overload or dysfunction. There is no contraindication to anesthetic procedure if necessary. Blood pressure measurements are indicated.





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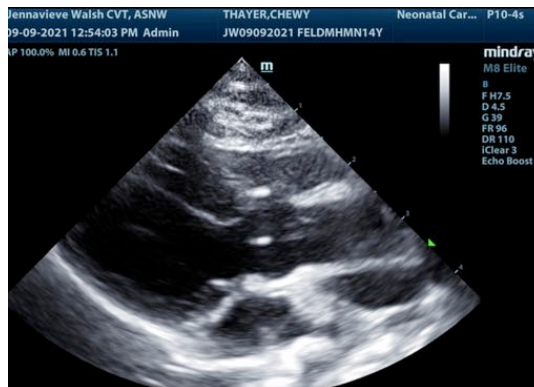
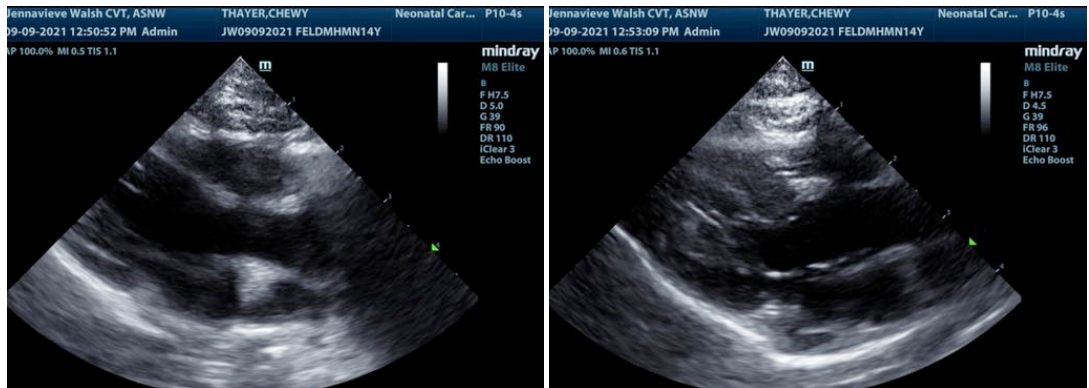
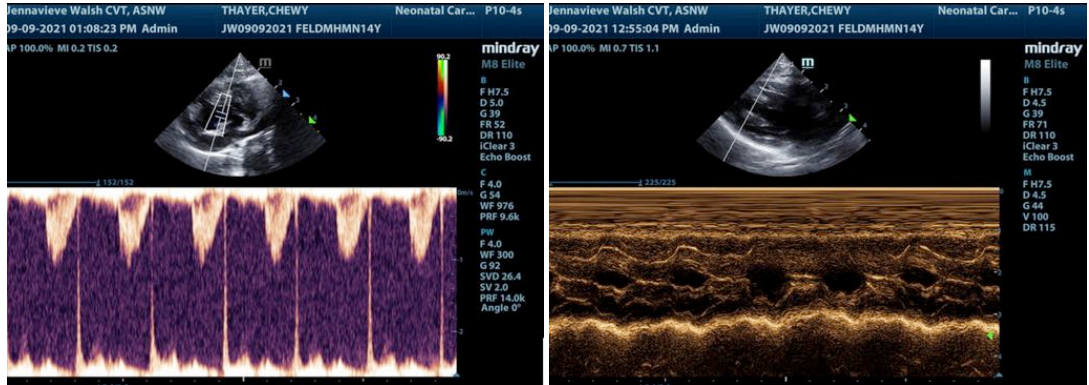
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. 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



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Eric.Lindquist@SonoPath.com

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