



**PATIENT PRESENTING CLINICAL SIGNS**

Maggie Elsamaia Grade III/VI new murmur

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Feline	<b>FELINE CARDIAC PARAMETERS</b>	<b>BODY WEIGHT (kg)</b>	<b>HR (BPM)</b>	<b>IVSd (cm)</b>	<b>LVIDd (cm)</b>	<b>LVWd (cm)</b>	<b>FS (%)</b>	<b>EF (%)</b>
DSH	<b>NORMAL PARAMETER</b>	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
	<b>PATIENT</b>		NM					
Spayed Female	<b>FELINE CARDIAC PARAMETERS</b>	<b>LA/AO (Boon)</b>	<b>LA/AO HEART BASE (Sisson)</b>	<b>LA 2D 4-chamber long axis AS to FW (Sisson) (cm)</b>		<b>LVOT VEL. (m/s)</b>	<b>RVOT VEL. (m/s)</b>	<b>IVRT (m/)</b>
	<b>NORMAL PARAMETER</b>	<1.5	0.88-1.79	0.7-1.7		<1.6	<1.3	40-60
10 Months	<b>PATIENT</b>	1.0	0.91			1.1	0.57	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								

**WEIGHT Cardiac Presentation**

9 lb 11 oz

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**HOSPITAL NAME**

ACC Flanders

**REFERRING VET**

Dr. Hallihan

**INVOICE**

35514

**DATE**

2/8/22

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. Mitral insufficiency noted in this patient at 5.0 m/sec. The mitral valve appeared to be stiffened with slightly shortened anterior leaflet. 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.

**ULTRASONOGRAPHIC FINDINGS**

- Mitral insufficiency – minor form of mitral valve dysplasia, not clinically significant at this time.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Recheck echo in one year. No overt contraindication to anesthetic procedure if necessary.



**PATIENT**

Maggie Elsamaia

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

10 Months

**WEIGHT**

9 lb 11 oz

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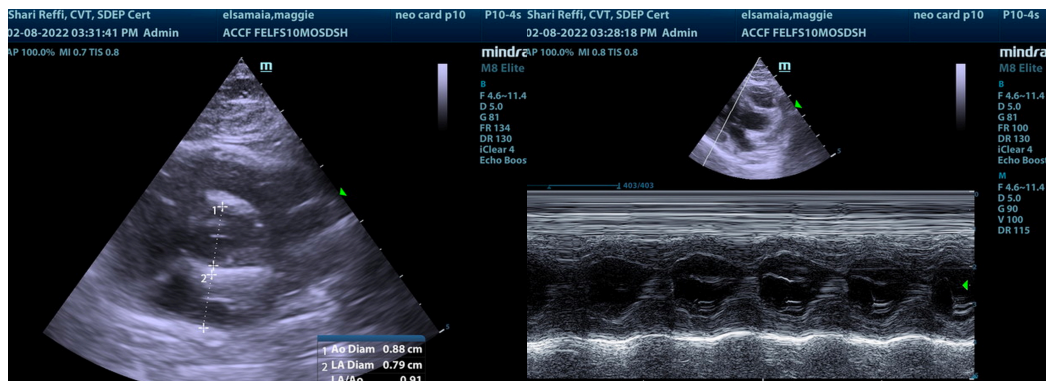
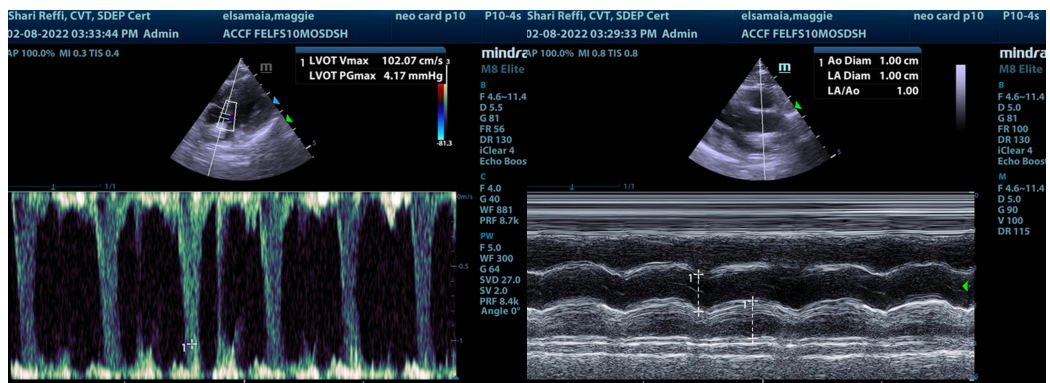
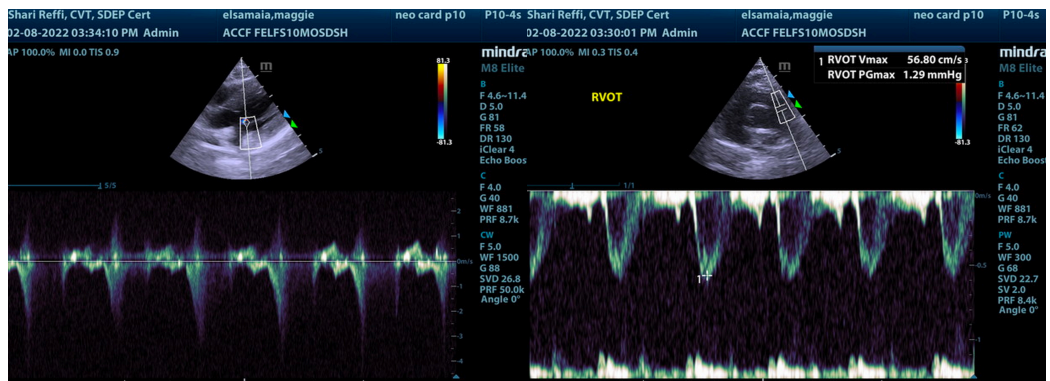
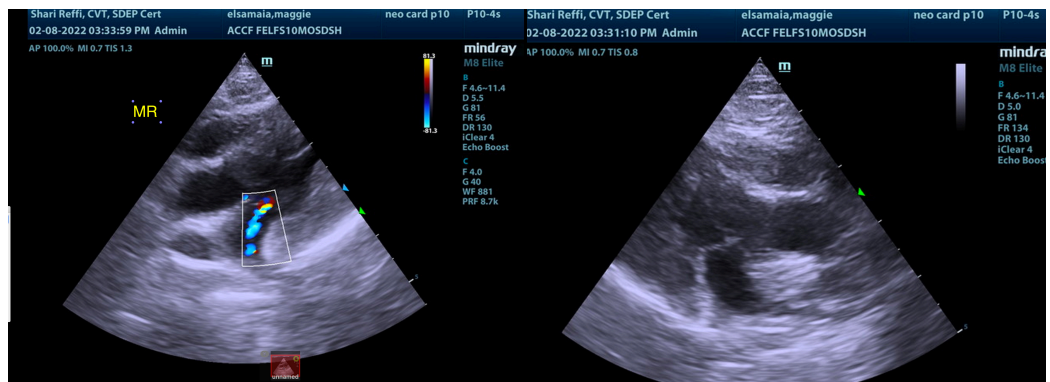
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**PATIENT**

Maggie Elsamaia

**SPECIES**

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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](mailto:info@SonoPath.com)