



PATIENT

Maeby Cox

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

5 ½ years

WEIGHT

10.25 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Animal Care Center of
Flanders

REFERRING VET

Dr. Hallihan

INVOICE

92797

DATE

11/2/21

PRESENTING CLINICAL SIGNS

History: Hx of heart murmur- went to cardiologist out of state - Diagnosed with HCM 2018 (mild), also asthma. Current meds: Atenolol 1/2T SID (unknown dosage- prescribed by cardiologist), fluticasone propionate 44mg 1-2 puffs SID

Abnormal PE/Chem/CBC/UA Results: Free T4 53.7, (T4 2.7) UA SG: 1.057

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. **Mitral** valve insufficiency was noted at 5 m/sec. Minor, sectorial left ventricular septal hypertrophy was noted with mild fixed obstruction to the **left ventricular outflow tract**. The maximal wall thickness of the ventricular septum measured 0.65 cm. 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.

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		217	0.65	1.24	0.45	60	92
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	1.07	1.02		1.3		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							

ULTRASONOGRAPHIC FINDINGS

Septal hypertrophic cardiomyopathy with mild fixed LVOT obstruction with concurrent mitral insufficiency.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This appears compensated at this time. I recommend continuation of the current protocol and



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monitoring of the thyroid and blood pressures. Recheck echocardiogram is recommended in 6-12 months or earlier if murmur grade increases, exercise intolerance or respiratory distress develops.

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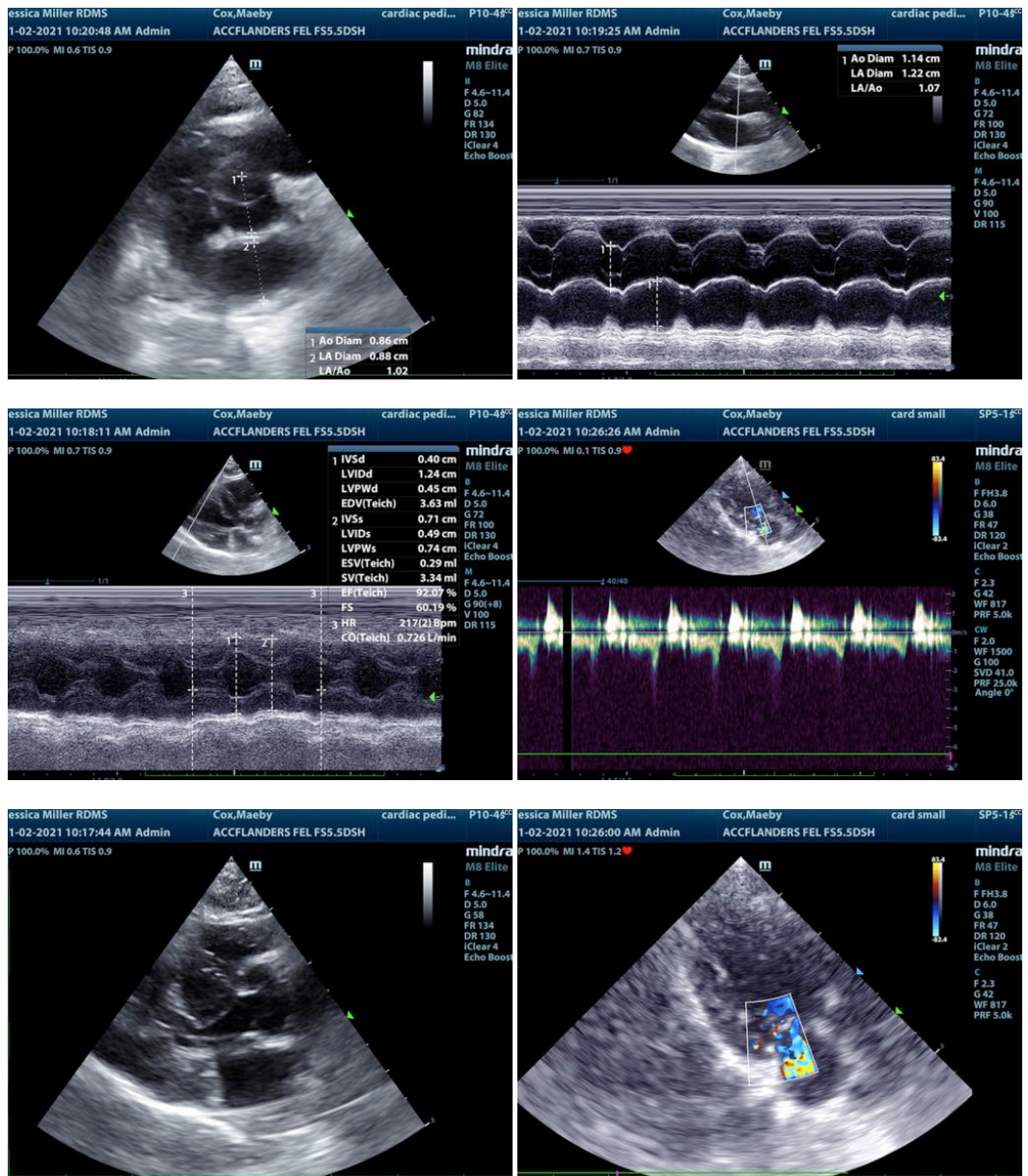
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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info@SonoPath.com