



PATIENT

Sunny Bachert

PRESENTING CLINICAL SIGNS

History: Grade 3-4 murmur. Tachycardic
 Abnormal PE/Chem/CBC/UA Results: WNL UA: +3 blood, pH 8.0, +3 protein, struvite 21-50 SG: 1.057

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Domestic Shorthair

The **left atrium** appears volume contracted. **Mitral** valve insufficiency was noted in this patient and is compensated. 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. Significant tachycardia was noted in this patient.

SEX

Spayed Female

AGE

4 ½ years

WEIGHT

18.9 lbs

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

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	0.4	1.1	0.4	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	1.15	1.08	1.3			1.15	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							

**IMAGING
PERFORMED BY**

Jessica Miller, RDMS

HOSPITAL NAME

Animal Care Center of
 Flanders

REFERRING VET

Dr. Hallihan

INVOICE

93134

DATE

11/16/21



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ULTRASONOGRAPHIC FINDINGS

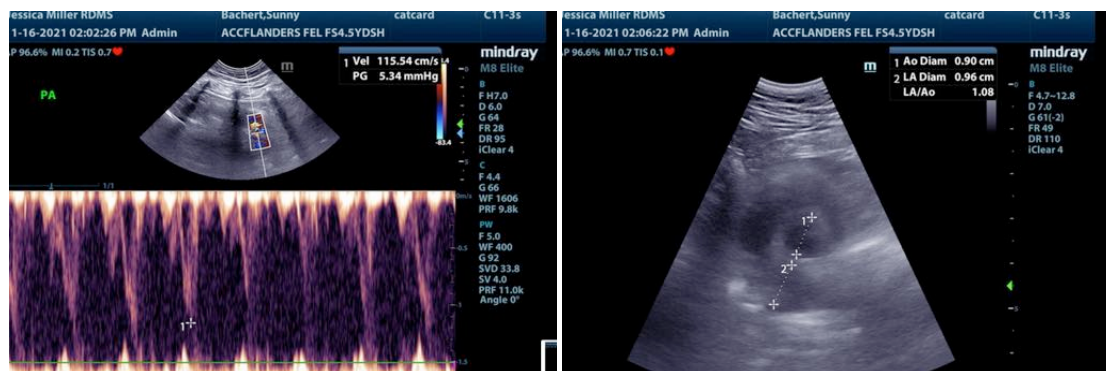
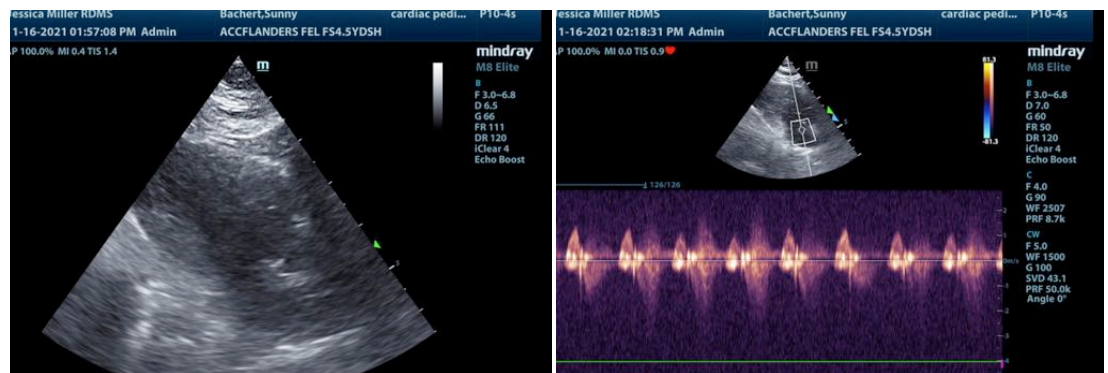
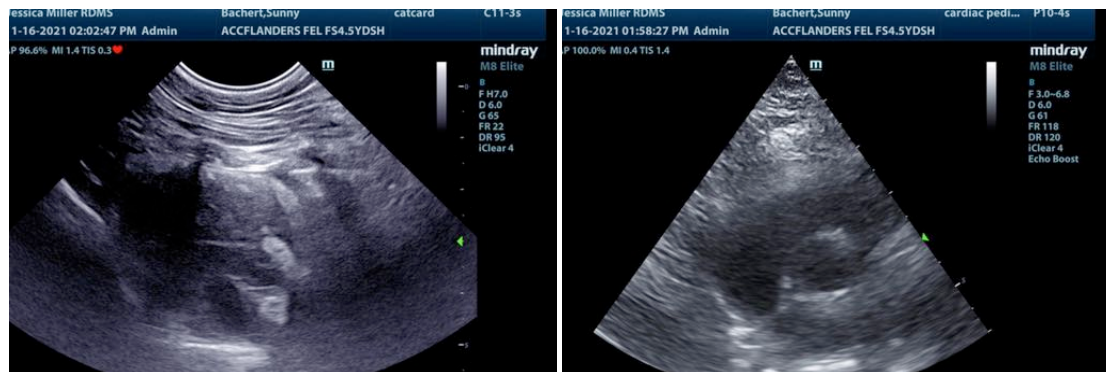
Normal echocardiogram with mitral insufficiency, not clinically significant.

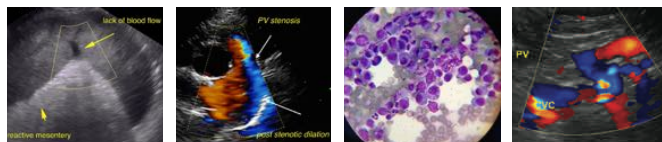
Tachycardia.

Subjectively volume contracted left atrium.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Systemic causes of tachycardia should be investigated if not already performed such as hyperthyroidism. EKG, blood pressure and thyroid assessment is warranted if not already performed.





PATIENT

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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.

SPECIES

Feline

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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