



PATIENT PRESENTING CLINICAL SIGNS

Cynthia Horan

History: Hx if irregular arrhythmia auscultated on annual exam; on another subsequent exam a gallop rhythm was auscultated. Chronic hx of stable stage 2 CKD

SPECIES

Abnormal PE/Chem/CBC/UA Results: No murmurs or arrhythmias auscultated this morning, otherwise NSF on exam BW performed 9/7/21: CBC: WNL Chem: mildly increased BUN 40 (14-36) -- was 50 3/4/21 and 40 12/10/20 creat 2.3 (0.6-2.4) -- was 2.2 3/4/21 and 1.6 12/10/20 P - 4.9 K+ - 4.6 T4: 2.2 AU: USG - 1.018, pH - 6.0, neg protein, quiet sediment BP performed 9/25/21: Average 162 systolic.

BREED

Domestic Shorthair

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

SEX

Spayed Female

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. Mild **myocardial** remodeling was noted, yet this is not a structural issue at this time. **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.

AGE

16 years

WEIGHT

12.3 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Bailes

HOSPITAL NAME

All Creatures Great and Small VC Corvallis

REFERRING VET

Dr. Litalien

INVOICE

92550

DATE

10/21/21

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	12.3 lbs	NM	0.5	1.2	0.5	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	1.11	1.2	1.3 max	1.0	1.03	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

Normal geriatric echocardiogram.

Minor myocardial remodeling.

SPECIES

Feline

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No functional issues or volume overload were noted.

BREED

Domestic Shorthair

SEX

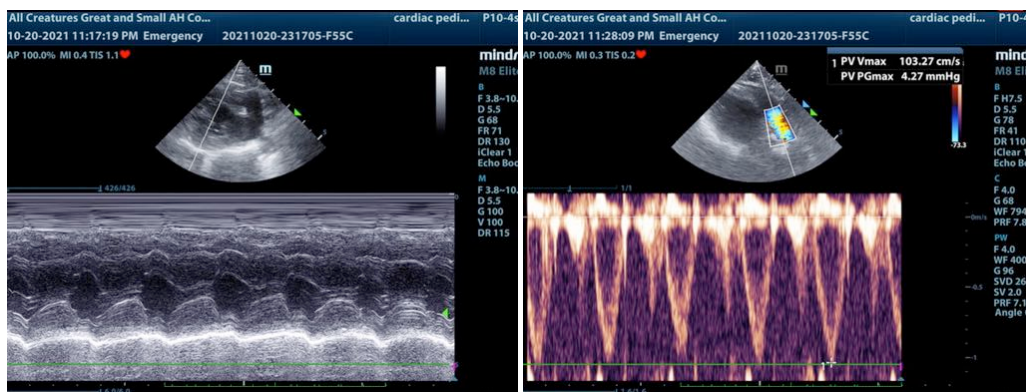
Spayed Female

AGE

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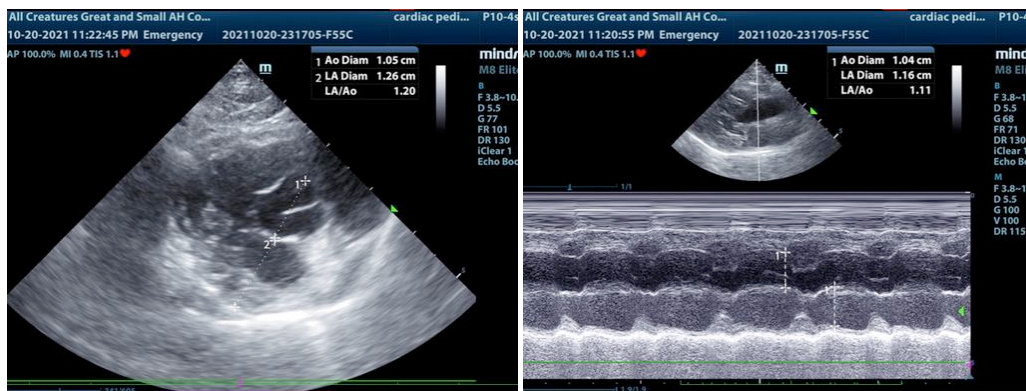
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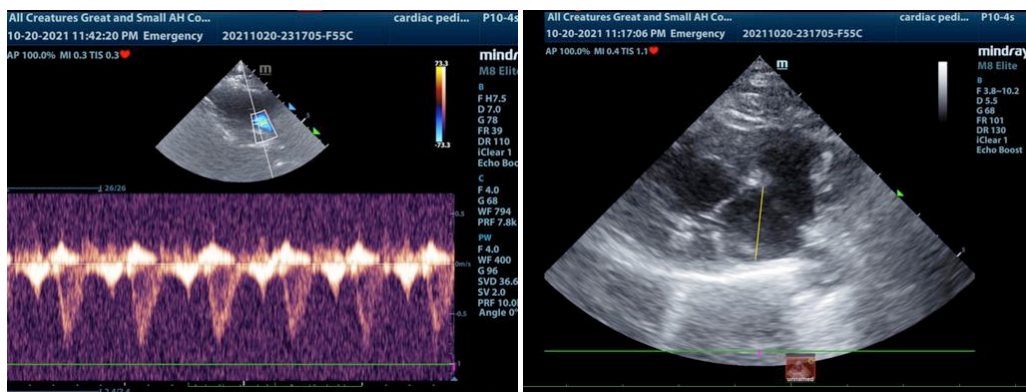
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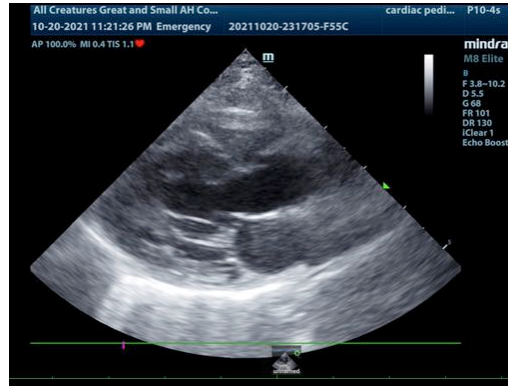
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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