



PATIENT

Cheddar Lambs Gap
AH

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

7 years

WEIGHT

13 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

Dr. Todd

INVOICE

95054

DATE

1/5/22

PRESENTING CLINICAL SIGNS

ECG is attached as a pdf for your information. Blood pressure today was 201/189, 200/154, 189/155. He is very, very nervous, Cheddar is a seven year old, MN, DSH cat who is our clinic cat. He has a history of chronic grade I/VI systolic murmur and a previous echo read by Dr. Lamy on 3/18/21. Cheddar also had an echo on 6/18/21 read STAT by Dr. Daniel. Prior to that echo, Cheddar had an acute episode of severe respiratory dyspnea and open mouth breathing and crackles/wheezes. Thoracic rads showed dorsocaudal pulmonary edema. No exposure to smoke or toxins or electric cords. Butorphanol and lasix were given. No cause was found for this episode. No other episodes have occurred since then.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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. 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.

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	0.5	1.66	0.52	55	85
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	1.16	1.1	1.3	1.0	0.9	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

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Segmental left ventricular hypertrophy with myocardial remodeling. Structural and functional heart was otherwise noted.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart should not be causing any clinical signs at this point.

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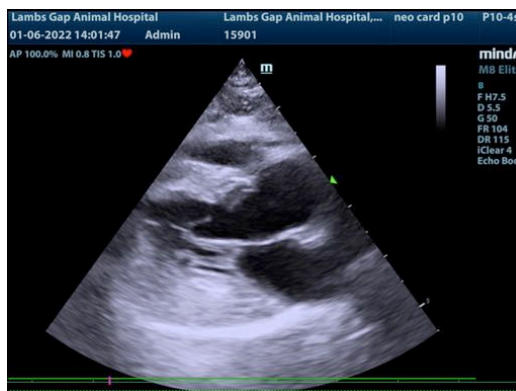
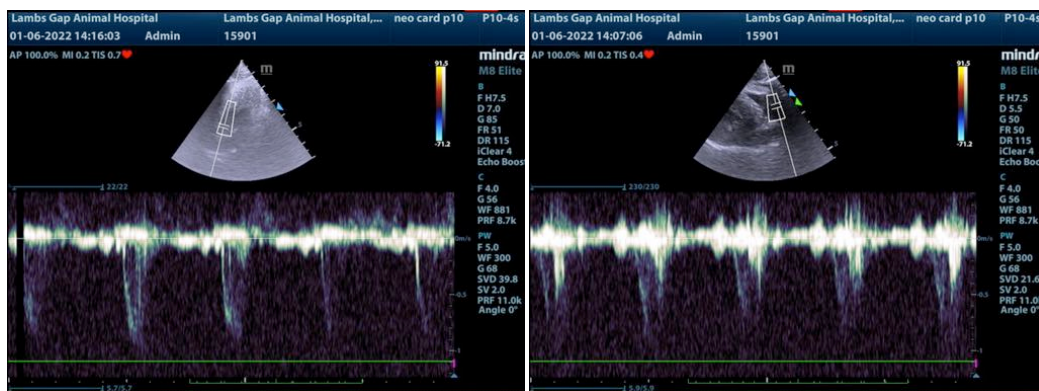
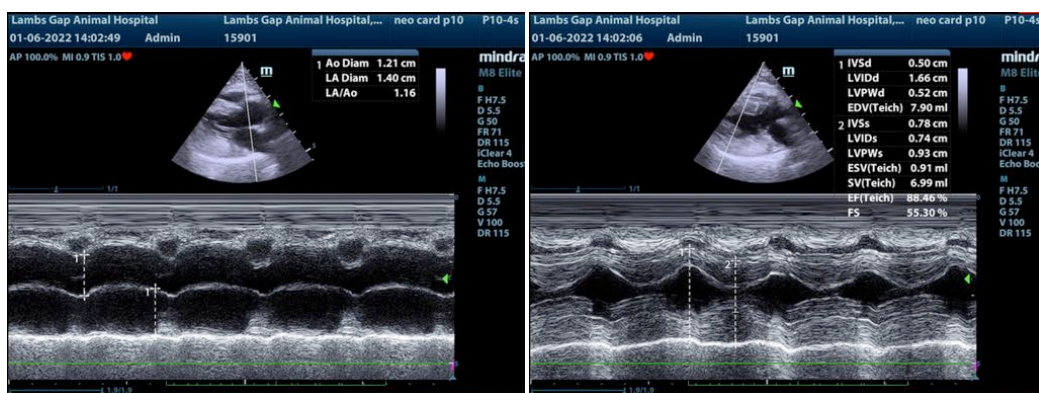
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

BREED

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info@SonoPath.com

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