



PATIENT

Beaker Hunt

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

12 Years

WEIGHT

10.4 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. McGarvey

INVOICE

16638

DATE

8/1/22

PRESENTING CLINICAL SIGNS

History: Episodes of going weak in hind end, and respiratory issues. Owner is concerned for worsening cardiac disease and thromboembolism. Gabapentin PO and Torbugesic IV for sedation. On Methimazole 7.5mg transdermal BID, misses some doses.

Abnormal PE/Chem/CBC/UA Results: RADS (attached): enlarged heart. proBNP 1,500 BUN 38, Creat 1.2. UA: SG 1.035, Prot +. T-4: 3.4 (previously 6.3 in 1/2022)

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	--	179	0.68	1.38	0.76	50	--
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	1.4	1.6	1.55	1.90	1.28	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							

Cardiac Presentation

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. No evidence of systolic anterior motion of the mitral valve. Volumes were 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** and internal diameter were unremarkable. The **left ventricle** presented mild to moderate concentric left ventricular hypertrophy. 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

- Left ventricular hypertrophy



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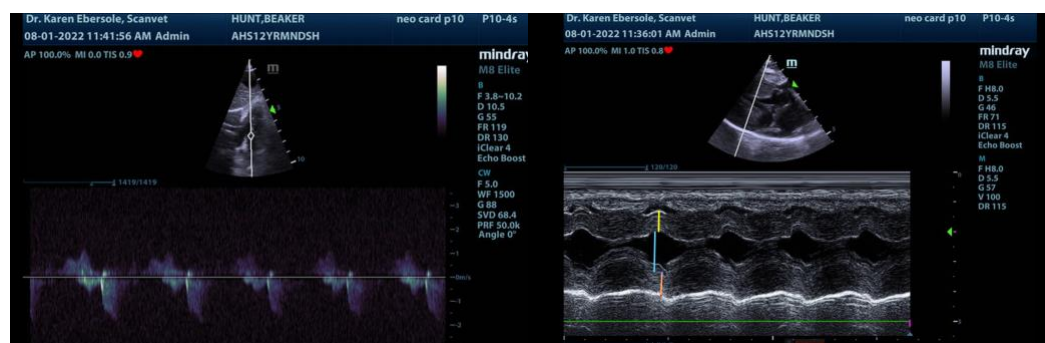
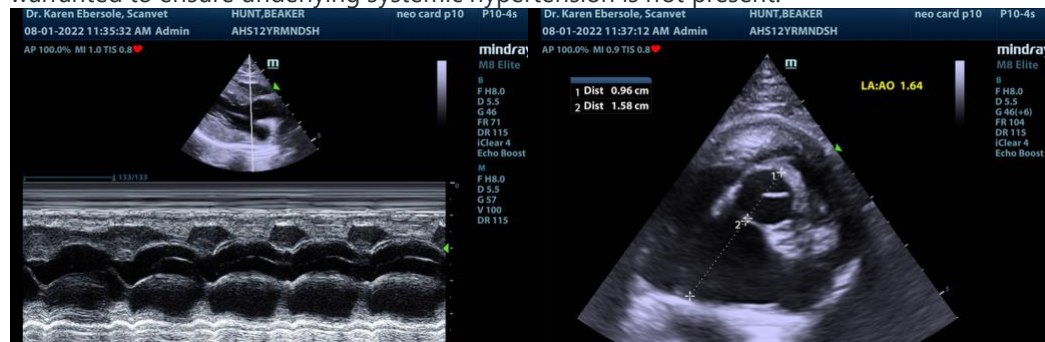
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Hypertrophic cardiomyopathy phenotype, however, underlying hypertension and hyperthyroidism are likely playing a role. No cardiac medications are recommended at this time. Serial blood pressures are warranted to ensure underlying systemic hypertension is not present.



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.

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info@SonoPath.com

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