



PATIENT PRESENTING CLINICAL SIGNS

Bella Cattano History: Recheck echo

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Feline

BREED

DSH

SEX

Female Spayed

AGE

11y

WEIGHT

10 lbs

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	0.59	1.2	0.52	40	74
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
PATIENT	--	1.1	1.2		1.0	1.0	--
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							

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Kerri Becker

HOSPITAL NAME

All Creatures Denville

REFERRING VET

Dr. Silas

INVOICE

13389

DATE

4/9/26

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size and structure. The cranial and caudal **mitral** valve leaflets presented minor irregular age-related changes that are not clinically significant at this time with adequate extension in systole and union in diastole. No overt significant MR noted on doppler. The **left ventricle** presented normal free wall with borderline increased septal thicknesses with linear contour. The **myocardium** presented echogenic remodeling consistent with expected age-related change and mild fibrosis. **Contractility** of the ventricular walls was adequate and in normal range for this breed and patient size. The **left ventricular outflow** tract demonstrated normal laminar flow with subjectively unremarkable structure. Normal measured LVOT velocity. Subjective assessment of the **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated expected findings for this age patient. The **right ventricle** was of normal size (1/3 diameter of LV), echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). Normal measured RVOT velocity. No visible **pericardial** or free pleural fluid was noted. The **mediastinum** was free of masses in the visible window.

ULTRASONOGRAPHIC FINDINGS

- LV myocardial remodeling with borderline thickened interventricular septum
- Normal LA
- Normal RA/RV



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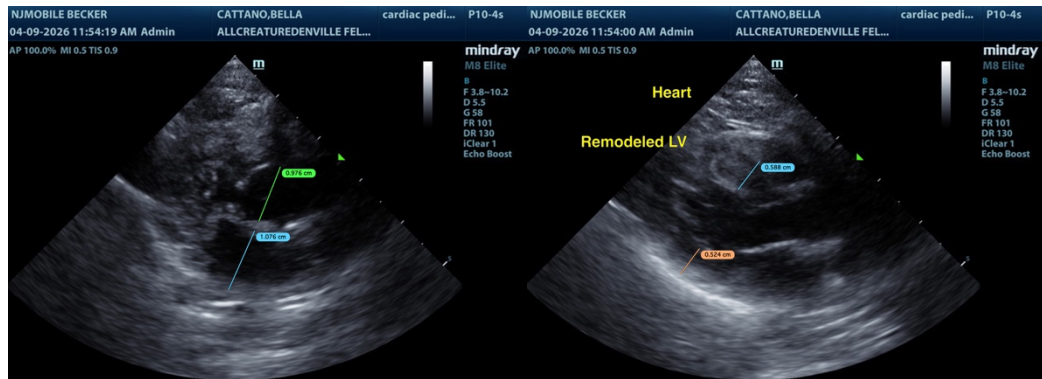
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The left ventricular remodeling may indicate remodeled asymmetrical HCM phenotype given previous echocardiogram or age-related associated myocardial remodeling with mild fibrosis. Adequate LV contractility and normal LA dimension indicate the current and future risk of complication, despite classification, remains low. No indication for cardiac medication. Assessment of T4 level and systemic BP to rule out potential complicating factors is recommended. Echocardiographic monitoring recommended for further assessment and prognosis. Recheck echo suggested in 6 months, sooner if clinical signs arise. Anesthetic risk is considered mild. Suggested anesthetic protocol may include opioid or Benzodiazepine pre-med, induction with Propofol or Alfaxalone, and appropriate gas anesthesia with avoidance of alpha 2 agonists.



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@sonopath.com