



## PATIENT

Lillie Belle Dakos

## SPECIES

Feline

## BREED

DSH

## SEX

Spayed Female

## AGE

20 Years

## WEIGHT

7.9 Pounds

## PRESENTING CLINICAL SIGNS

History of mild renal disease, history of occult hyperthyroid, caudal mucositis/dental disease, IBD on Prednisone. Pawing at mouth- tooth root abscess - LV PM4. Contemplating general anesthesia for dental extraction. Current meds: Prednisone 5 mgs q 3 days, Gaba BID, methimazole 5 mgs x 1/4 SID, antibiotics PRN.

Abnormal PE/Chem/CBC/UA Results: 8/30/21= CBC= WNL. Superchem: BUN 53, creat. 1.8, T4/FT4 pending.

## 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		180	0.39	1.1	0.43	49.1	84.1
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	NM	1.1	1.4	1.0	0.8	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							

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Kelly Vazquez

## HOSPITAL NAME

Westwood Regional

## REFERRING VET

Dr. Hartwick

## INVOICE

25126

## DATE

9/1/21

## Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size and structure. Chamber volume and blood echogenicity were normal. 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. The **left ventricle** presented normal free wall and septal thicknesses with linear contour. The **myocardium** presented some echogenic remodeling consistent with expected age-related change. **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. 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). No dilation due to heartworm disease, cuor pulmonale, stenosis, or pulmonic hypertension was noted. No visible **pericardial** or free pleural fluid was noted. The **mediastinum** was free of masses in the visible window.

## ULTRASONOGRAPHIC FINDINGS

- Overtly normal cardiac structure and function



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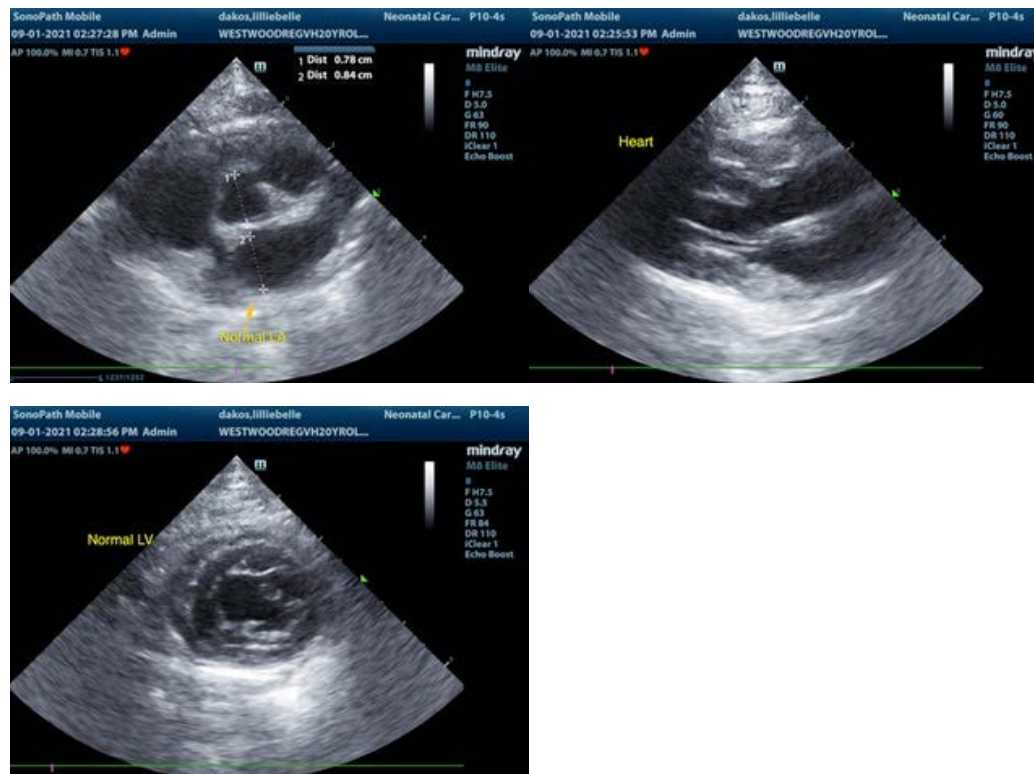
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overall normal echocardiogram given the patient's age with subtle evidence of age related myocardial changes. The lack of left atrial enlargement and lack of generalized left or right heart volume overload indicates that the risk for future complication is low. No overt evidence of occult hypertrophic myocardial changes. No indication for cardiac medications. No anesthetic contraindications assuming normal blood pressure prior to anesthesia.



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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