



## PATIENT

Alice N. Chainz Pepin

## SPECIES

Feline

## BREED

DMH

## SEX

Female Spayed

## AGE

10 years

## WEIGHT

9.22lbs

## INTERPRETED BY

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

## IMAGING PERFORMED BY

Dana Alterman,  
RDCS, LVT

## HOSPITAL NAME

Eubank Animal Clinic

## REFERRING VET

Dr. Grossman

## INVOICE

20811

## DATE

8/30/21

## PRESENTING CLINICAL SIGNS

History: Thoracentesis on 8/27/21 for pleural effusion. FELV/FIV negative; SNAP pro-BNP normal.

## ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a mildly hyperechoic endocardium consistent with fibrosis. The papillary muscles are mildly remodeled and hyperechoic. The endocardium also appears mildly remodeled. The left atrium is normal in size. The right atrium is prominent. The right ventricle appears largely normal. The mitral valve is normal in structure and mobility. The tricuspid valve appears normal with no TR. Blood flow through both the LVOT and RVOT is normal in velocity. No pericardial effusion seen. Small volume pleural effusion seen. No obvious cardiac tumors.

## CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) <small>(Moise, Pipers)</small>	LVIDd (cm) <small>(Moise, Pipers)</small>	LVWd (cm) <small>(Moise, Pipers)</small>	FS (%)	EF (%)
<b>NORMAL PARAMETER</b>	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
<b>PATIENT</b>	4.2	NM	0.52	1.45	0.49	63	94
FELINE CARDIAC PARAMETERS	LA/AO <small>(Boon)</small>	LA/AO HEART BASE (Swe) <small>(Abbott)</small>	LA 2D short axis Base view (cm) <small>(Abbott)</small>	LVOT VEL (m/s)	RVOT VEL (m/s)	E max (m/s)	
<b>NORMAL</b>	<1.5	<1.3	<1.2	<1.6	<1.3	<0.9	
<b>PATIENT</b>	1.0	1.2	1.0	1.2	1.3	NM	

*\*Note: All measurements based upon multi-modal images and methods. An average value is reported.*  
Adapted from June Boon, Veterinary Echocardiography, 1998  
Abbott J & MacLean H JVIM 2006;20: 111-119, Moise et al. Am J Vet Res 47:1476, 1986. Pipers et al. Am J Vet Res 40:882, 1979.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The cardiac structure and function are overtly normal, with no evidence of a cardiogenic origin of the effusion. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure. Diffuse remodeling and fibrosis is identified which is likely a normal age-related finding. No additional issues are identified.

Further diagnostics are recommended including an abdominal ultrasound, fluid cytology, etc. Consult with an Internist may be useful in this case.

Recommend recheck echocardiogram in one year to screen for any progressive changes.



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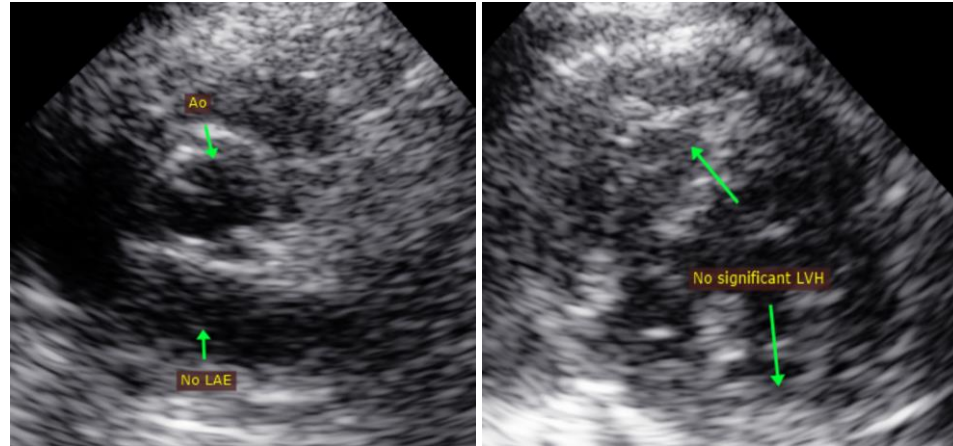
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**IMAGES**



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. This report was generated using transcription software, and minor dictation errors may be present. 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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