



PATIENT PRESENTING CLINICAL SIGNS

Sherlock Lohrman History: Weakness since 4/25/22 w/ rads on 5/6/22 and 5/13/22. Labored breathing RR 20-24. Pleural effusion, air bronchograms, patchy pulmonary densities. 4/25-Amoxi, 5/6 Enroquin 22.7, Furosemide 12.5mg 1/2 bid x 10d, Pred 5mg taper

SPECIES

Feline

Abnormal PE/Chem/CBC/UA Results: Decreased lymphocytes 5/6/22

BREED ULTRASONOGRAPHIC EXAMINATION OF THE HEART

DSH	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		240	0.47	1.32	0.45	37.4	71.7
SEX	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/)	
MN	NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
	PATIENT	1.4		1.4	1.0	1.0	NM	
AGE	Adapted from June Boon, Veterinary Echocardiography, 1998							
9	Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

WEIGHT

9.5 lb

INTERPRETED BY

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

Cardiac Presentation

The echocardiogram in this patient demonstrated mildly prominent 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). A moderately sized non homogeneous mass in the area of the left heart base which appeared to invade the LA lumen measuring 2.6 cm in diameter was present. Mild volume pericardial and free pleural fluid was noted. Associated pericardial hyperechoic fat and regional tissues were observed.

IMAGING PERFORMED BY

Shari Reffi CVT

HOSPITAL NAME

Chester Animal Hospital

REFERRING VET

Dr. Migliaccio

INVOICE

10888ag

DATE

06/21/2022

ULTRASONOGRAPHIC FINDINGS

- Heart base mass appearing to invade the left atrial lumen



PATIENT

- Mild volume pericardial and pleural free fluid, subjective pericardial inflammation

Sherlock Lohrman

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

The heart base mass appearing to invade the LA lumen is most consistent with an aggressive neoplastic process such as sarcoma, chemodectoma or other. Potentially this mass may impeding return blood flow to the LA resulting in pulmonary vascular congestion. Potential for regional pericardial and pulmonary seeding secondary to the mass is of concern. Oncology consult +/- thoracic CT could be considered for further assessment however this presentation indicates a likely unfavorable prognosis.

Feline

BREED

DSH

SEX

MN

AGE

9

WEIGHT

9.5 lb

INTERPRETED BY

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

IMAGING PERFORMED BY
Shari Reffi CVT

HOSPITAL NAME

Chester Animal
Hospital

REFERRING VET

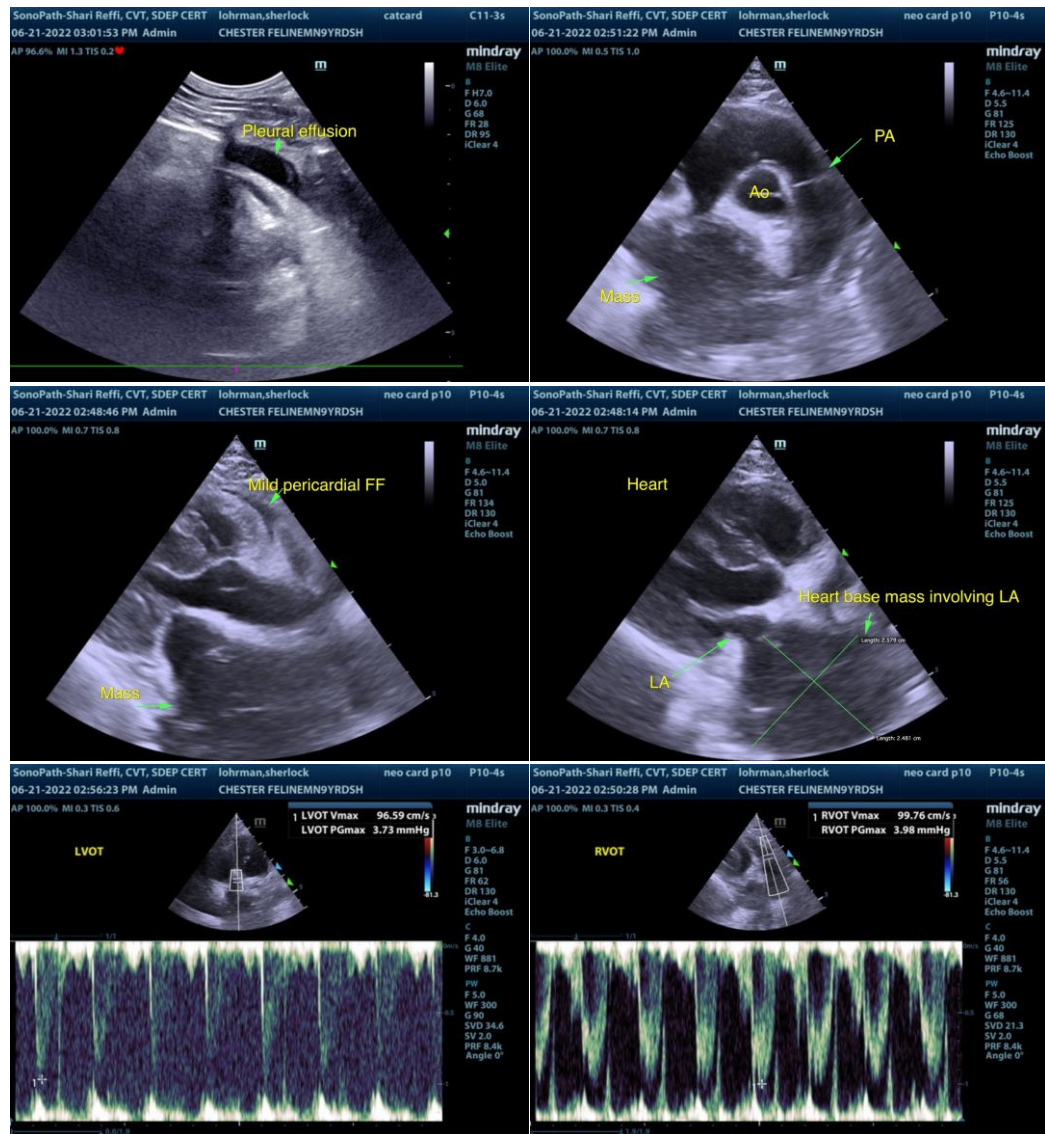
Dr. Migliaccio

INVOICE

10888ag

DATE

06/21/2022



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.



PATIENT

Sherlock Lohrman

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)

SPECIES

info@SonoPath.com

Feline

BREED

DSH

SEX

MN

AGE

9

WEIGHT

9.5 lb

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Shari Reffi CVT

HOSPITAL NAME

Chester Animal
Hospital

REFERRING VET

Dr. Migliaccio

INVOICE

10888ag

DATE

06/21/2022