



PATIENT PRESENTING CLINICAL SIGNS

Cleopatra Priff History: Grade 3/6 murmur. Asthma pattern on rads, BNP >600- r/o cardiogenic vs asthma for steroid treatment

SPECIES Abnormal PE/Chem/CBC/UA Results: WNL

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Mix

SEX

SF

AGE

12 yr

WEIGHT

17.5 lb

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		246	0.60	1.2	0.62	45	79.8
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	1.46	1.48	1.2		1.3	1.3	NM

INTERPRETED BY

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

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

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Legacy Animal Hospital

REFERRING VET

Dr. Potenzzone

INVOICE

10664ag

DATE

05/25/2022

Cardiac Presentation

The echocardiogram in this patient demonstrated normal left atrial size and structure with no evidence of "smoke" or thrombi. The cranial and caudal mitral valve leaflets appeared mildly thickened with some eccentric insufficiency measuring 3.5 m/s noted on Doppler. The left ventricle presented subjective borderline increased free wall and septal thicknesses compared to normal for this species. The myocardium presented essentially normal echogenicity without immediate signs of fibrotic or ischemic disease. Contractility of the ventricular walls was considered excessive for this patient evidenced by the elevated fractional shortening measurement. The left ventricular outflow tract demonstrated turbulent laminar flow with 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 linear morphology. The right ventricle was of normal size with normal chordae structure, myocardial echogenicity and thickness. Pulmonic tract assessment revealed normal valve structure, laminar flow, and diameter. No visible pericardial or free pleura fluid was noted. No echographically detectable evidence of infiltrative disease was visible. The mediastinum was free of masses in the visible window.

ULTRASONOGRAPHIC FINDINGS

- Subjective borderline increased LV wall thickness
- Eccentric MR



PATIENT

- Normal LA

Cleopatra Priff

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Feline

BREED

Mix

SEX

SF

AGE

12 yr

WEIGHT

17.5 lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Legacy Animal Hospital

REFERRING VET

Dr. Potenzone

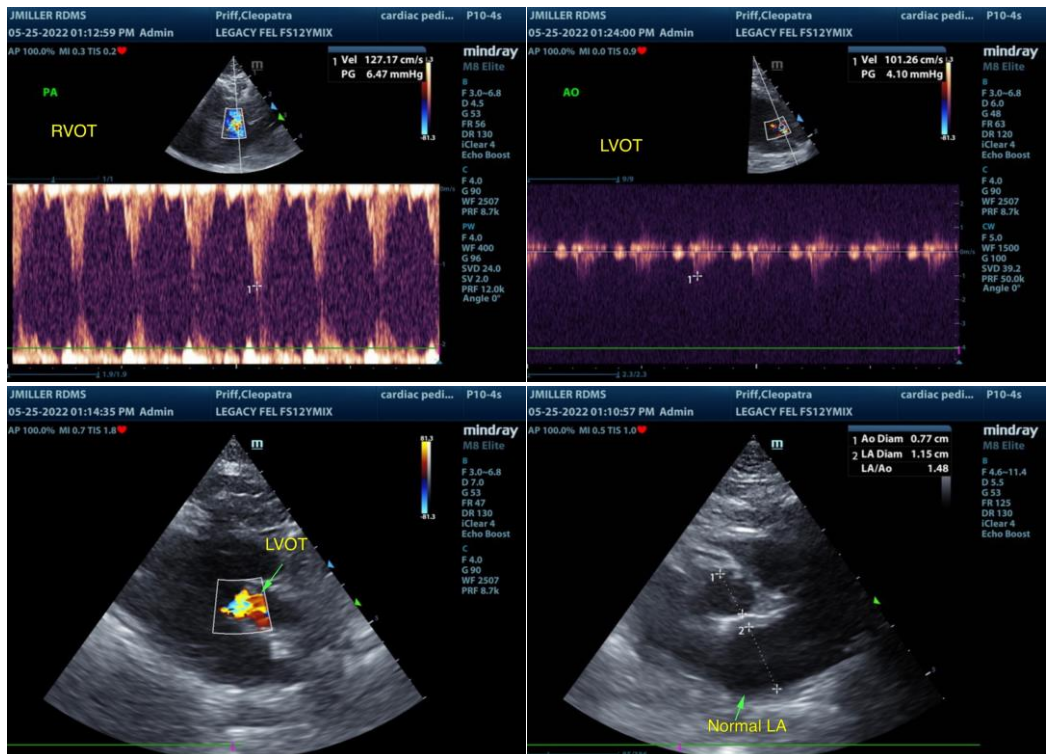
INVOICE

10664ag

DATE

05/25/2022

Overall, the heart appears to be compensated given the normal LA size and was not overtly consistent with cardiogenic cause of the pulmonary changes noted on radiograph. The subjective borderline increased LV thickness may suggest emerging hypertrophic cardiomyopathy. Assessment of T4 levels and systemic BP to rule out contributing factors to this finding is recommended. The cause of the murmur is suspected to be secondary to the mild turbulent to dynamic LV outflow with combined contribution secondary to MR. Overt evidence of systolic anterior motion (SAM) at the mitral valve was not definitively visualized, yet mild SAM cannot be excluded. Regardless, at this stage the hemodynamic effects of the murmur appear to be minimal. No overt indication for cardiac medications. Serial sonographic monitoring is required for further prognosis. Recheck echocardiogram suggested in 6 months, sooner if clinical signs consistent with heart disease arise or if murmur intensity progresses. No overt contraindication for steroid treatment. Inhalant steroids if possible are likely ideal.





PATIENT

Cleopatra Priff

SPECIES

Feline

BREED

Mix

SEX

SF

AGE

12 yr

WEIGHT

17.5 lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Legacy Animal Hospital

REFERRING VET

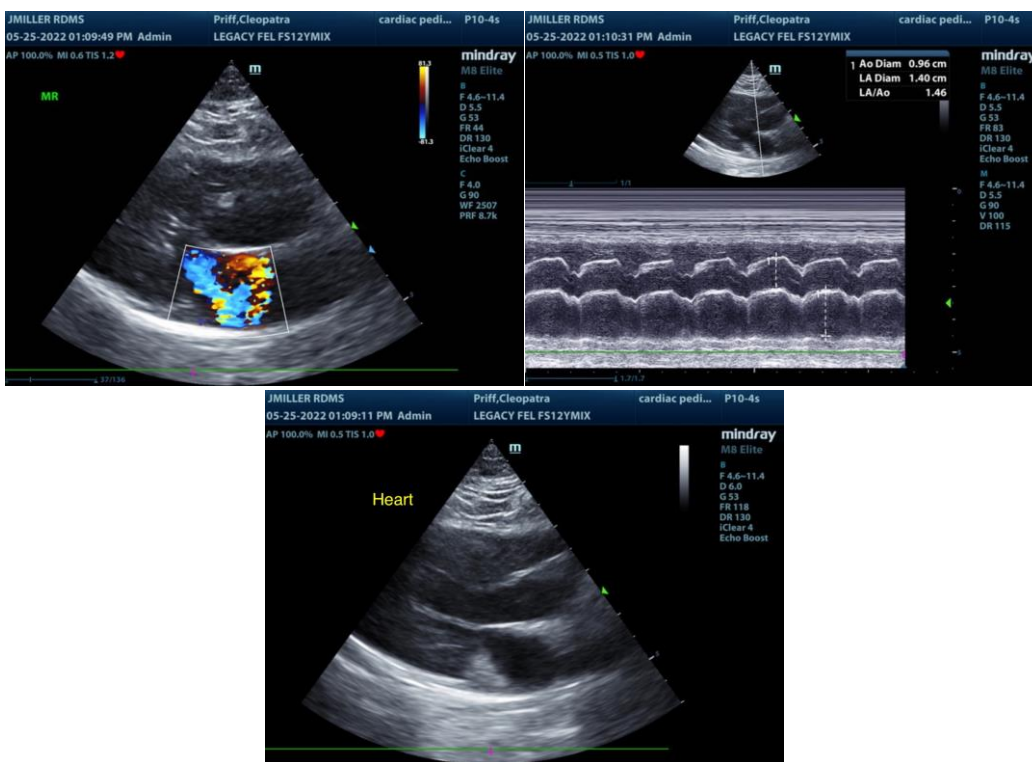
Dr. Potenzone

INVOICE

10664ag

DATE

05/25/2022



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.

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