



PATIENT

Charlie Perry

PRESENTING CLINICAL SIGNS

History: Respiratory distress.
-Chest radiographs: Pleural effusion noted.

SPECIES

Feline

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal to slightly decreased in dimension. Adequate function. Mildly dilated left ventricular. Normal papillary muscles. The left atrium is mildly enlarged. The right atrium is moderately enlarged. The right ventricle is enlarged; no obvious RVH. The MPA appears mildly dilated. The pulmonic valve appears normal. The mitral valve is normal in structure and mobility. No obvious MR. Mild TR. Blood flow through both the LVOT and RVOT is normal in velocity. No additional valve regurgitation seen. No obvious congenital shunts. Trivial pericardial effusion seen. Pockets of pleural effusion seen. No obvious cardiac tumors.

BREED

Maine Coon

SEX

Male

CARDIAC CHART

AGE

4 months

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LWVd (cm) (Moise, Pipers)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	3.2	NM	0.28	1.5	0.31	60	94
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Swe) (Abbott)	LA 2D short axis Base view (cm) (Abbott)		LVOT VEL (m/s)	RVOT VEL (m/s)	E max (m/s)
NORMAL	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
PATIENT	1.6	1.5	1.24		1.7	1.2	NM

WEIGHT

7lbs

INTERPRETED BY

Maggie Machen Lamy, DVM, DACVIM (Cardiology)

**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.*

IMAGING PERFORMED BY

Sam Doverspike, DVM

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unusual case. The most significant finding is moderate right atrial and mild left atrial enlargement, with biventricular dilation as well. This may reflect a primary RV cardiomyopathy in this kitten; however, ancillary pathology not visualized in this study is suspected. The finding of pleural and pericardial effusion is concerning for early decompensation and treatment is recommended as below. The left heart is mildly affected; however, this is to a lesser extent. No additional issues are identified.

HOSPITAL NAME

Franklin Animal Clinic

These findings are inconclusive as to a definitive diagnosis and cause of structural changes in this very young cat. Highly recommend immediate referral given the degree of right heart enlargement and early CHF, as this is clearly a hemodynamically significant problem. Advanced imaging will likely be recommended, such as bubble study, CT/angiogram, etc. If declined, given presence of effusion consider use of Lasix and Plavix (if able). This patient will always be at high risk for a blood clot event and/or CHF going forward.

REFERRING VET

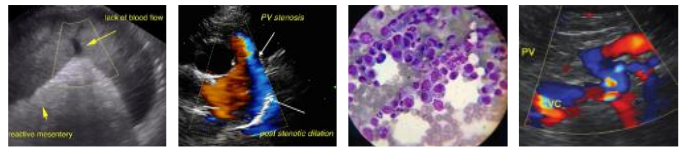
Dr. Doverspike

INVOICE

25032

DATE

6/28/22



PATIENT

Charlie Perry

Prognosis is guarded to poor long term, given degree of right heart changes with risk for right-sided CHF, development of arrhythmias, and/or sudden death in the future. That being said, sub-clinical cardiomyopathy in cats is highly variable in nature.

SPECIES

Feline

Risk for general anesthesia is certainly elevated and should be avoided.

BREED

Maine Coon

Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).

SEX

Male

PLAN

Highly recommend immediate referral for advanced imaging in search of a definitive diagnosis. If declined, baseline BP and ECG are recommended. Thoracocentesis is strongly recommended with submission of the fluid for cytology. Institute Lasix 1-2mg/kg PO q12h. If able, institute blood thinner Clopidogrel (Plavix) 75mg tablets; give ¼ tab orally once daily (NOTE: this medication is very bitter on the cut edges and should be coated in entirety or administer in a gel cap).

AGE

4 months

If referral is declined, recommend recheck echocardiogram in 6 months, sooner if any clinical signs. IF patient declines in the interim and referral is not an option, humane euthanasia should be considered.

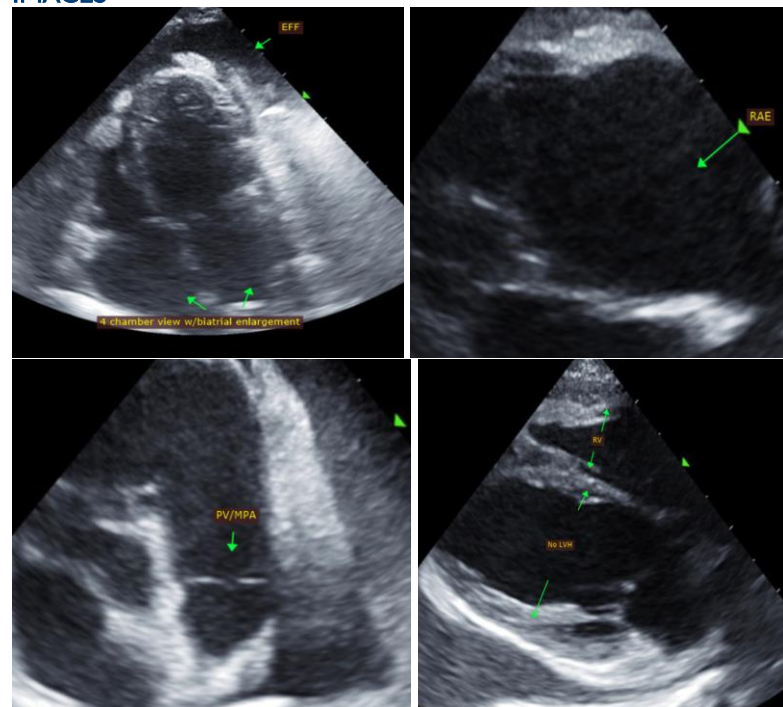
WEIGHT

7lbs

IMAGES

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)



IMAGING PERFORMED BY

Sam Doverspike,
DVM

HOSPITAL NAME

Franklin Animal Clinic

REFERRING VET

Dr. Doverspike

INVOICE

25032

DATE

6/28/22



PATIENT

Charlie Perry

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.

SPECIES

Feline

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.

BREED

Maine Coon

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

SEX

Male

AGE

4 months

WEIGHT

7lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

**IMAGING
PERFORMED BY**

Sam Doverspike,
DVM

HOSPITAL NAME

Franklin Animal Clinic

REFERRING VET

Dr. Doverspike

INVOICE

25032

DATE

6/28/22