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Clinical Sonography & Telecytology
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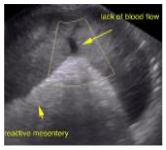
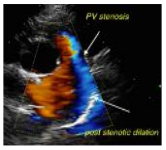
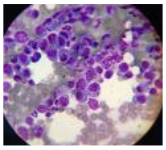
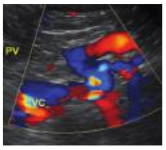

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT
Mabel Scott

SPECIES
Feline

BREED
DSH

SEX
Female Intact

AGE
2 years

WEIGHT
12.9lbs

INTERPRETED BY
Maggie Machen Lamy, DVM, DACVIM (Cardiology)

IMAGING PERFORMED BY
Kelly Vazquez, CVT

HOSPITAL NAME
Animal General on Hudson

REFERRING VET
Dr. Ng

INVOICE
22341

DATE
12/8/21

PRESENTING CLINICAL SIGNS

History: Enlarged heart and liver on previous radiographs. History of distended abdomen, diarrhea- resolved with metronidazole and taurine. No current medications.
-Abnormal PE/Chem/CBC/UA Results (10/2021): 26.1 WBC, neutrophils 18.12, monocytes 1.11, Na 166, chol. 16, FELV/FIV (neg).

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is largely normal in dimension, with a discrete upper septal bulge (0.63cm). The LV chamber is mildly enlarged. There is a diffusely hyperechoic endocardium consistent with fibrosis. The papillary muscles are mildly remodeled and hyperechoic. The endocardium also appears remodeled. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. The mitral valve is normal in structure and mobility. Trace TR. Blood flow through both the LVOT and RVOT is normal in velocity. Mild aortic insufficiency with a mildly thickened aortic valve. No pleural or pericardial effusion seen. No obvious cardiac tumors.

CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LVWd (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	5.9	120	0.51	2.0	0.48	40	76
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	NM	1.3	1.2		1.1	0.9	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

Several mild abnormalities are identified. While the LV wall thickness is largely normal and there is no evidence of elevated LA pressure, a discrete septal bulge is visualized. This may reflect early hypertrophic changes or may be a normal variant. Additionally, the LV chamber measures mildly enlarged, particularly for a young cat. Follow up is advised. A small aortic leak is noted, and a baseline BP is recommended. Finally, there is increased remodeling and fibrosis of the left ventricular wall that is considered normal for a 2-year cat. Serial echocardiography will be necessary to determine progression. No additional issues are identified.

Given these findings, no medications are indicated. The LA is normal indicating low risk for complication at this time.

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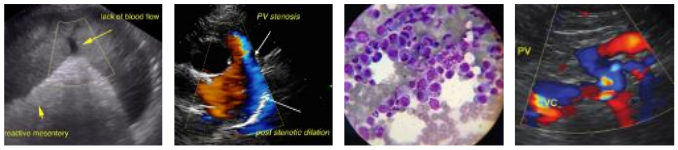

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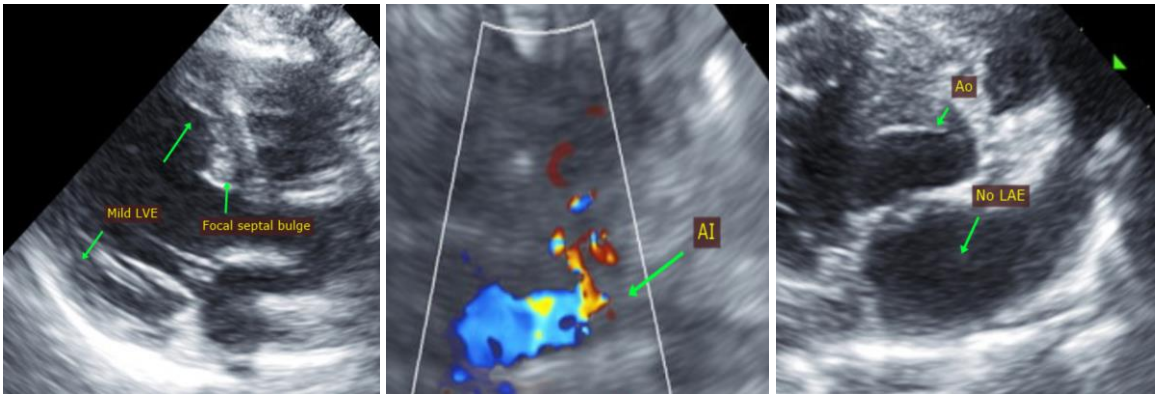
No cardiac contraindication for general anesthesia. Mild IV fluid restriction is advised. Risk for complication with steroid use typically follows LA dilation, which in this case is low. That being said, any cat can experience unexpected signs of intolerance and monitoring of RR/RE is advised particularly in the initiation phase.

Recommend recheck echocardiogram in 6-12 months, sooner if clinical signs arise.

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.

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