


PATIENT

Jack Nieuwpoort

PRESENTING CLINICAL SIGNS

History: Cardiomegaly on CXR; VHS 8.75. Has raspy throat noises. Last week had an episode of open mouth breathing after playing hard. Owner says resting RR is always between 40-50/min.

SPECIES

Feline

RADIOGRAPHIC FINDINGS *NOTE: Images submitted for supplemental cardiac information only. Mild cardiomegaly. No obvious evidence of CHF.

BREED

DSH

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a diffusely hyperechoic endocardium consistent with mild fibrosis. The papillary muscles are normal in size and hyperechoic. The endocardium appears normal. 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. Normal flow through both the RVOT and LVOT. Trace TR. No AI or PI. No pleural or pericardial effusion seen. No obvious cardiac tumors.

AGE

6 months

CARDIAC CHART
WEIGHT

10.7lbs

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	4.85	220	0.48	1.39	0.45	57	90
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	1.2	1.2	1.2	1.0	1.1	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.							

INTERPRETED BY

 Maggie Machen Lamy,
 DVM DACVIM
 (Cardiology)

IMAGING PERFORMED BY

Kelly Reschny, RVT

HOSPITAL NAME

 Hawkins Animal
 Hospital

REFERRING VET

Dr. Hawkins

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure. No obvious congenital issues are documented.

INVOICE

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These findings would suggest cardiomegaly is a normal variant, which is unusual in a young kitten. Consider a Radiologist review of the films to ensure no ancillary pathology is appreciated in light of the clinical signs. No cause for respiratory issues is seen in this study.

DATE

2/6/23

Given these findings, no medications are indicated. It is important to note that phenotypic HCM can develop at any phase of life in cats (particularly in this predisposed breed), and



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often does not accompany a heart murmur or PE abnormalities. Periodic screening is ideally recommended in all cats.

SPECIES

Feline

No cardiac contraindication for general anesthesia at this time.

Recommend recheck echocardiogram in 1 year to ensure no progressive changes are seen.

BREED

DSH

SEX

Male Neutered

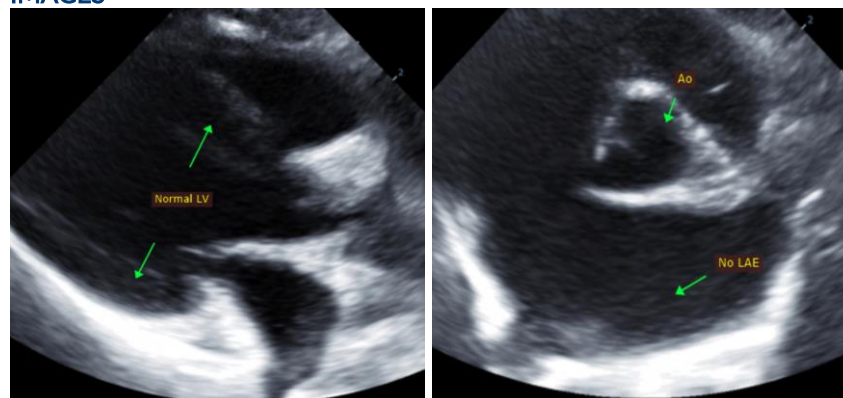
AGE

6 months

WEIGHT

10.7lbs

IMAGES



INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)

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.

IMAGING PERFORMED BY

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