



PATIENT

Olivia Fijal

PRESENTING CLINICAL SIGNS

History: Grade 2/6 heart murmur.

SPECIES

Feline

BREED

DMH

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is mildly hypertrophied. There is a diffusely hyperechoic endocardium consistent with fibrosis. The LV chamber is decreased in size. 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 MR. Blood flow through the LVOT is laminar and normal in velocity. Blood flow through the RVOT is mildly elevated in velocity. No evidence of cardiac tumors or effusions in this scan.

SEX

Female Spayed

CARDIAC CHART

AGE

18 years

WEIGHT

9.7lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

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	4.42	130	0.64	0.66	0.63	62	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	NM	1.0	1.0		1.5	2.1	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.

IMAGING PERFORMED BY

Barthelemy, DVM

HOSPITAL NAME

Britannia Kingsland
Animal Hospital

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The murmur is due to a heart rate dependent flow obstruction through the RVOT, which is a physiologic finding (i.e., benign and of no clinical significance) and may cause a murmur depending on heart rate. There is also mild LV hypertrophy with remodeling of the left ventricular wall. True early hypertrophic disease (HCM) is a rule out diagnosis, once a patient is deemed euthyroid and normotensive. A screening BP and T4 are strongly recommended. **There is suspicion of pseudohypertrophy due to volume depletion, given the small size of the LV chamber.** Highly recommend repeat lab work, if not recently performed.

REFERRING VET

Dr. Hamill

From a clinical standpoint, the left atrial dimension is normal indicating the disease is currently stable and development of associated clinical signs in the near future is unlikely. Given these findings, no medications are indicated at this time. Assessment of progression in the future will help predict long term prognosis, which is highly variable at this stage in asymptomatic cats. Monitor for development of respiratory changes, collapse, or signs of a blood clot event (neurologic change, sudden paralysis, etc.).

INVOICE

26598

DATE

9/28/22



PATIENT

Olivia Fijal

The risk for general anesthesia is low; however, heart rate stimulating drugs such as atropine, glycopyrrolate or ketamine should be avoided unless medically necessary. Additionally with this degree of remodeling and diastolic stiffening there is an elevated risk for fluid overload in this patient. Judicious IV fluid use is recommended.

SPECIES

Feline

PLAN

Screening blood pressure, T4 and lab work are recommended.

BREED

DMH

Recommend recheck echocardiogram in 12 months to assess for progression, sooner if any clinical signs arise.

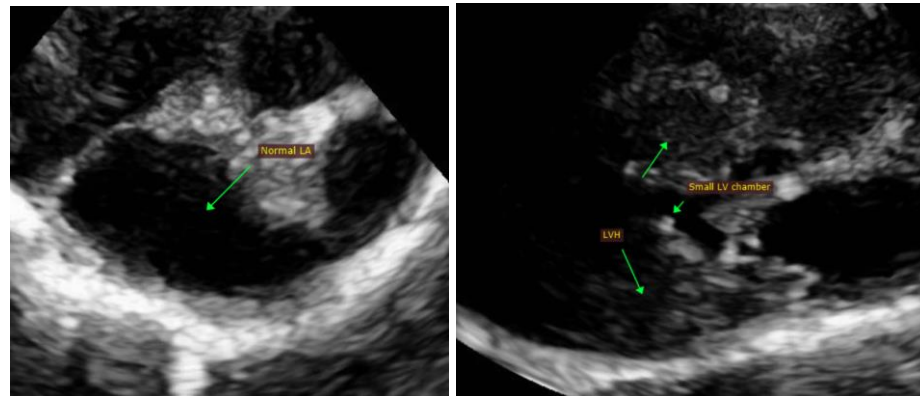
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IMAGES

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(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.

IMAGING PERFORMED BY

Barthelemy, DVM

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.

HOSPITAL NAME

Britannia Kingsland
Animal Hospital

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

REFERRING VET

Dr. Hamill

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