



PATIENT

Fergie Nance

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

1.5 years

WEIGHT

8.7lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Tranquility Veterinary
Clinic

REFERRING VET

Dr. House

INVOICE

25796

DATE

8/16/22

PRESENTING CLINICAL SIGNS

History: Pleural effusion. Decreased appetite, weight loss. No respiratory signs. No murmur auscultated. No current medications. Sedation: Torb.

-Abnormal PE/Chem/CBC/UA Results: Hct 23.9, neuts 10.48, glu 187, SDMA 19, glob 5.7, bun 9, creat 0.7.

*Thoracocentesis removed 100+ mls of straw-colored fluid submitted for Cytology.

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. No obvious TR, AI or PI. Pockets of pleural effusion. No pericardial effusion seen. No obvious cardiac tumors.

CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) <small>(Moise, Pipers)</small>	LVIDd (cm) <small>(Moise, Pipers)</small>	LVWd (cm) <small>(Moise, Pipers)</small>	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	3.9	170	0.4	1.8	0.4	42	76
FELINE CARDIAC PARAMETERS	LA/AO <small>(Boon)</small>	LA/AO HEART BASE (Swe) <small>(Abbott)</small>	LA 2D short axis Base view (cm) <small>(Abbott)</small>		LVOT VEL <small>(m/s)</small>	RVOT VEL <small>(m/s)</small>	E max <small>(m/s)</small>
NORMAL	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
PATIENT	1.39	1.4	1.2		1.1	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.

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.

These findings would certainly suggest a noncardiac origin of the pleural effusion. Further evaluation is advised, pending Cytology results.

Given these findings, no medications are indicated. It is important to note that phenotypic HCM can develop at any phase of life in cats and often does not accompany a heart murmur or PE abnormalities. Periodic screening is ideally recommended in all cats.

No cardiac contraindication for general anesthesia at this time.



PATIENT

Fergie Nance

Recommend recheck echocardiogram in 1 year to assess for development of disease, sooner if a murmur/gallop or clinical signs develop in the interim.

SPECIES

Feline

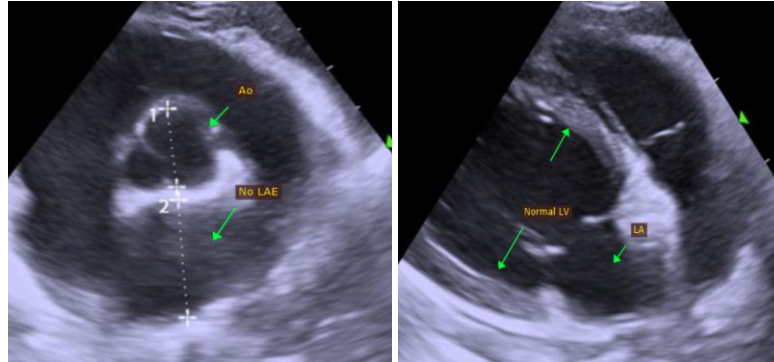
BREED

DSH

SEX

Female Spayed

IMAGES



AGE

1.5 years

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.

WEIGHT

8.7lbs

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.

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

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

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Tranquility Veterinary
Clinic

REFERRING VET

Dr. House

INVOICE

25796

DATE

8/16/22