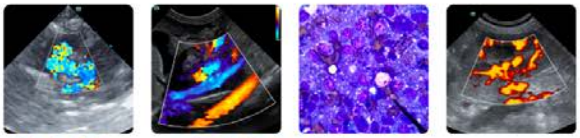


SonoPath www.thefocalzone.com info@thefocalzone.com 289.808.2608

PATIENT

Lightning Micev

SPECIES

Feline

BREED

DEH

SEX

Neutered Male

AGE

17 Years

WEIGHT

5.45 kg

INTERPRETED BY

Brad Harris, DVM, DACVECC, DACVIM (cardiology)

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Westoak Animal Hospital

REFERRING VET

Dr. Brah

INVOICE

73497

DATE

3/9/26

PRESENTING CLINICAL SIGNS

Fluid found in double cavity.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	------	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	5.45	200	0.48	1.6	0.48	35	68
FELINE CARDIAC PARAMETERS	**LA/AO** (M-mode)	**LA/AO HEART BASE** (Sisson)	**LAD** LA MAX 4 Chamber		**LVOT VEL.** (m/s)	**RVOT VEL.** (m/s)	**IVRT** (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
PATIENT	1.46	1.21	1.45		0.8	0.9	NM

Adapted from June Boon,Veterinary Echocardiography,1998
Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705

Cardiac Presentation

The left atrium is normal in dimension. There are no distinct left atrial thrombi/clots or spontaneous echo contrast appreciated. The left ventricle is normal in dimension as well as wall thickness, and no evidence of restriction. Left ventricular systolic function is normal, with adequate contractility. The right atrium and ventricle are subjectively normal in dimension and systolic function. The anterior and posterior mitral and tricuspid valve leaflets presented normal linear structure, extension in systole, and union in diastole with trace tricuspid regurgitation. There is no evidence of systolic anterior mitral valve motion documented. The left ventricular outflow tract demonstrated normal laminar flow and subjective structural valvular integrity. The visible aorta is unremarkable. Pulmonary outflow tract assessment revealed normal valve structure, laminar flow, and appropriate diameter and distensibility. There is trace pulmonic insufficiency noted. There is no evidence of pulmonary hypertension documented. There is moderate to severe pleural effusion with no pericardial fluid noted. In the cranial thorax, there is a hyperechoic mass effect that is suspected to represent atelectic lung due to its location and tissue appearance, as well as the volume of pleural fluid present. A space occupying mass lesion cannot be completely excluded.

ECG:

There is a six-lead ECG with significant baseline artifact available for review. The underlying rhythm is regular at an average rate of 200bpm. The rhythm appears to be sinus in origin with narrow QRS complexes. There is no atrial or ventricular ectopy and no conduction delay or block identified. This is most consistent with a normal sinus rhythm.

PATIENT

Lightning Micev

SPECIES

Feline

BREED

DEH

SEX

Neutered Male

AGE

17 Years

WEIGHT

5.45 kg

INTERPRETED BY

Brad Harris, DVM, DACVECC, DACVIM (cardiology)

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Westoak Animal Hospital

REFERRING VET

Dr. Brah

INVOICE

73497

DATE

3/9/26

ULTRASONOGRAPHIC FINDINGS

- These findings are consistent with an essentially normal echocardiogram. Any murmur auscultated will be considered functional in origin.

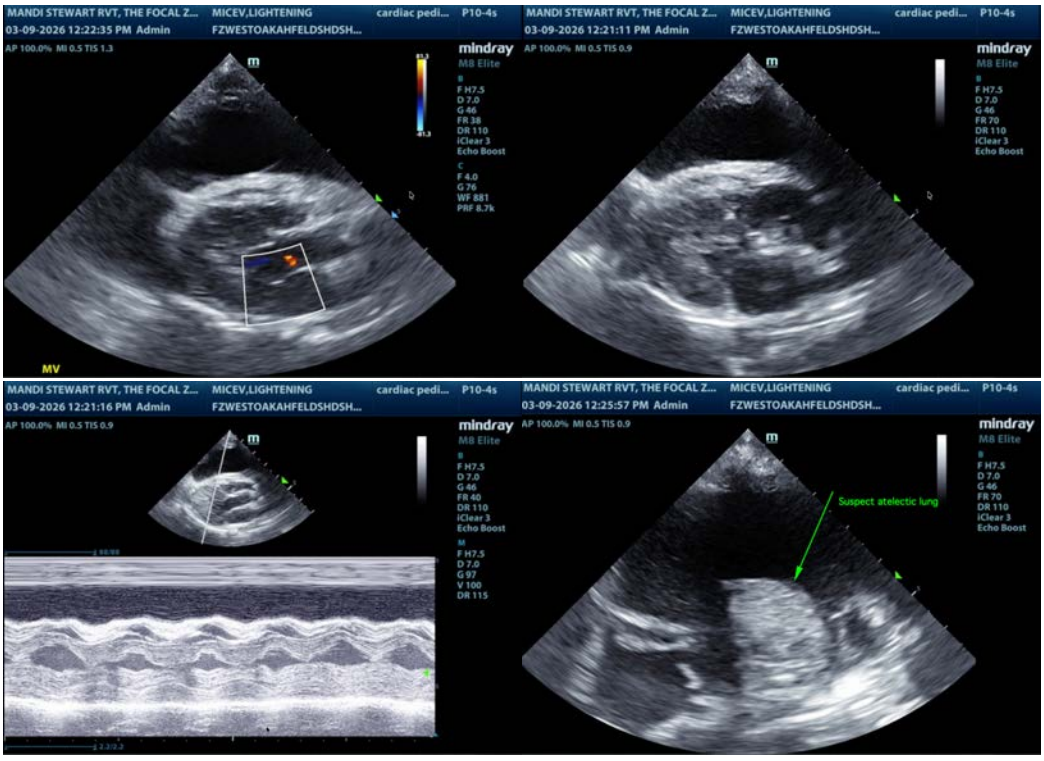
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

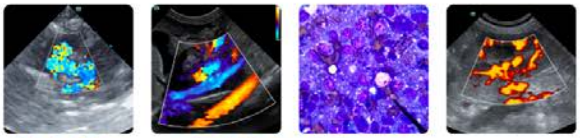
Given these findings, no cardiac therapy is recommended. There are no cardiac contraindications to corticosteroids or fluid therapy as indicated for further treatment. No specific recheck echocardiogram is recommended.

Anesthesia considerations:
No special cardiac considerations are necessary

Diet:
No special considerations are necessary. Any high-quality food from Hills, Royal Canin, Science Diet, Eukanuba, Iams, or Purina is reasonable.

Activity:
No special considerations are necessary.





SonoPath www.thefocalzone.com info@thefocalzone.com 289.808.2608

PATIENT

Lightning Micev

SPECIES

Feline

BREED

DEH

SEX

Neutered Male

AGE

17 Years

WEIGHT

5.45 kg

INTERPRETED BY

Brad Harris, DVM, DACVECC, DACVIM (cardiology)

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Westoak Animal Hospital

REFERRING VET

Dr. Brah

INVOICE

73497

DATE

3/9/26

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Brad Harris, DVM, DACVECC, DACVIM (cardiology)

info@SonoPath.com