



PATIENT

Cleo Harrington

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

14 Years 4 Months

WEIGHT

6.76

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Heather

HOSPITAL NAME

Animal Care Clinic of
Flanders

REFERRING VET

Dr. Hallihan

INVOICE

14782

DATE

04/02/26

PRESENTING CLINICAL SIGNS

Staggering, ataxic, VPS IN ekg, GRADE 2/6 murmur, tachycardia, due to murmur- vpcs, tachycardia concerned about vascular accidents/clot, hx of mild azotemia, wt loss and hematuria on u/a today. On renal diet

Abnormal PE/Chem/CBC/UA Results: creat - 2.5, BUN - 52, neutro- 14,930 ekg - intermittent vpc use - 1.014 (11/25)

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT	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	6.76	200	0.38	1.2	0.45	45	--
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	1.1	1.0	--	--	0.60	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							

EPSS: 0.1

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions and angles of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. Minor tricuspid insufficiency was noted at 1.6 m/s. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

ULTRASONOGRAPHIC FINDINGS



PATIENT

- Normal echocardiogram with tricuspid insufficiency.

Cleo Harrington

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

No evidence of functional disease, pressure overload or volume overload. There's no evidence of cardiac disease in this patient responsible for the clinical signs unless paroxysmal arrhythmia is an issue.

Feline

BREED

Therefore, I recommend abdominal sonogram to assess for primary disease, blood pressure measurements. Any medications would be based on EKG results.

DSH

SEX

Flow murmurs can be caused by volume shifts, anemia, excitable/tachycardic state, DRVOTO (Dynamic Right Ventricular Outflow Obstruction), or even simple stethoscope pressure upon clinical exam. These flow murmurs are typically benign and may develop often later in life theoretically owing to age related clinically insignificant changes of the heart. If the patient is recently clinical for anorexia, weight loss or metabolic disturbances, an abdominal sonogram and full workup may be appropriate to assess underlying clinical systemic causes of a newly developed flow murmur.

Neutered Male

AGE

14 Years 4 Months

WEIGHT

6.76

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUS

IMAGING PERFORMED BY

Heather

HOSPITAL NAME

Animal Care Clinic of
Flanders

REFERRING VET

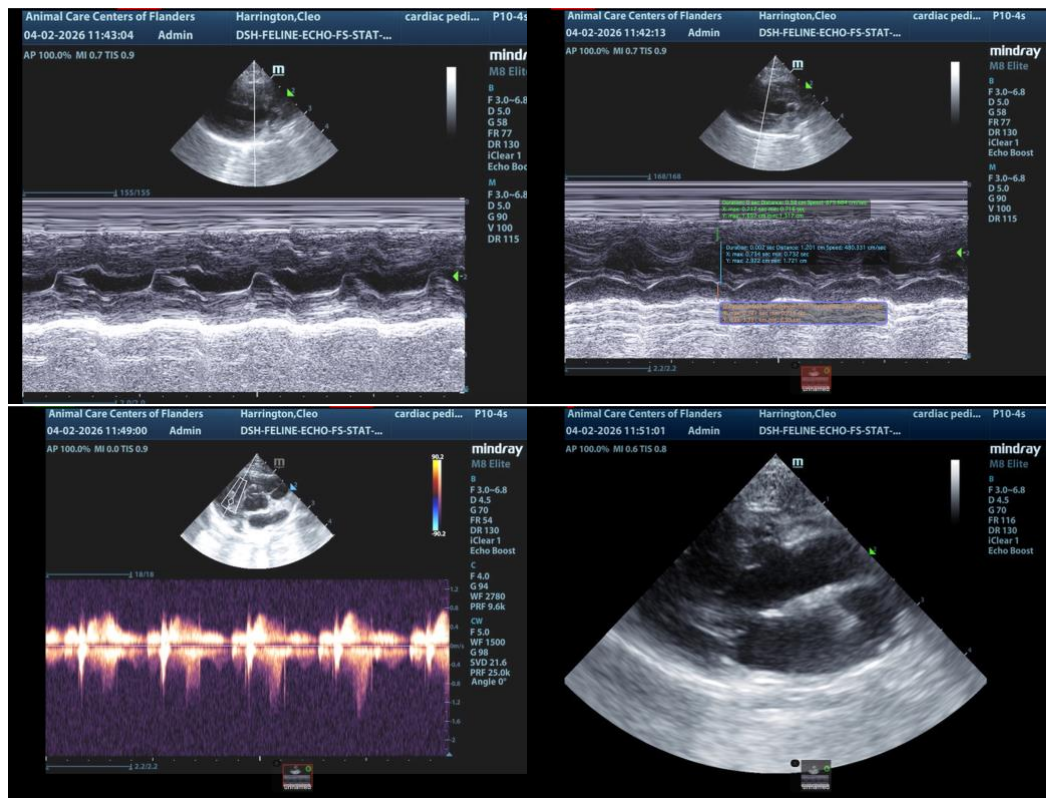
Dr. Hallihan

INVOICE

14782

DATE

04/02/26





PATIENT

Cleo Harrington

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

14 Years 4 Months

WEIGHT

6.76

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Heather

HOSPITAL NAME

Animal Care Clinic of
Flanders

REFERRING VET

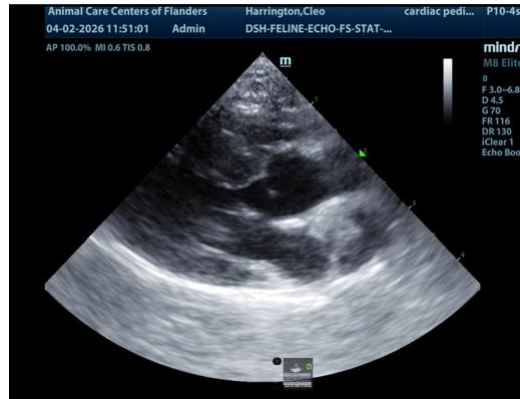
Dr. Hallihan

INVOICE

14782

DATE

04/02/26



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.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,

CEO, Owner, Founder -- SonoPath.com

info@SonoPath.com