



PATIENT

Isabelle Evans

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

14 years

WEIGHT

7.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Newton VH

REFERRING VET

Dr. Wyman

PRESENTING CLINICAL SIGNS

History: Grade 2-3/6 systolic heart murmur. Asymptomatic. See echo report from 2020. No current meds.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size and structure with no evidence of “smoke” or thrombi. **Mitral** valve insufficiency was present. . The **left ventricle** presented excessive free wall and septal thicknesses with hypertrophic thicknesses compared to normal for this species. **Myocardium** remodeling was noted in this patient. . **Contractility** of the ventricular walls was considered excessive for this patient evidenced by the elevated fractional shortening measurement. The **left ventricular outflow** tract demonstrated turbulent laminar flow. Subjective assessment of the **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated linear morphology. The **right ventricle** was of normal size with normal chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter. No visible **pericardial** or free pleura fluid was noted. No echographically detectable evidence of infiltrative disease was visible. The **mediastinum** was free of masses in the visible window.

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		180	0.75	1.0	0.7	58	91
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)	LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.4	1.47		>2.0	0.83	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							

INVOICE

43097

DATE

12/14/22

ULTRASONOGRAPHIC FINDINGS

Left ventricular hypertrophy with mitral insufficiency and mildly increased LVOT velocity.



PATIENT

Isabelle Evans

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

14 years

WEIGHT

7.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Newton VH

REFERRING VET

Dr. Wyman

INVOICE

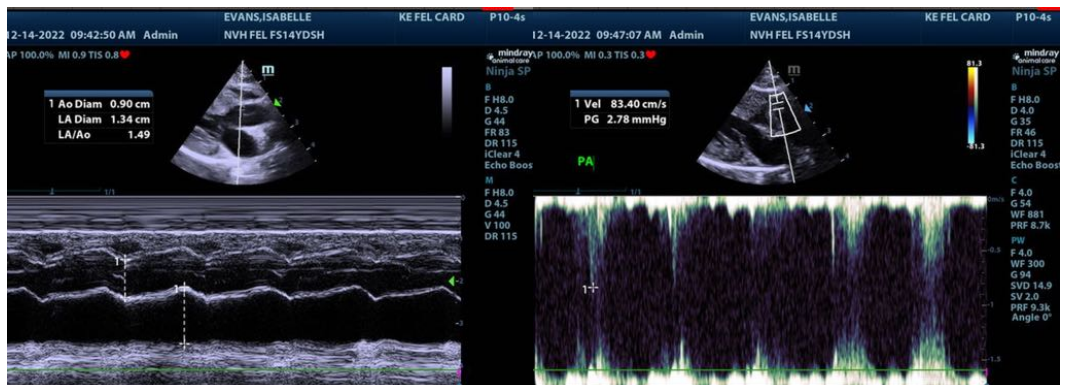
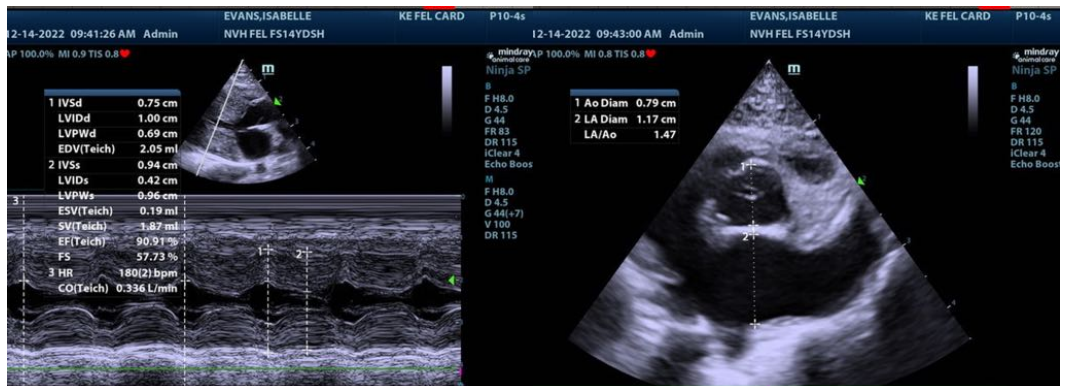
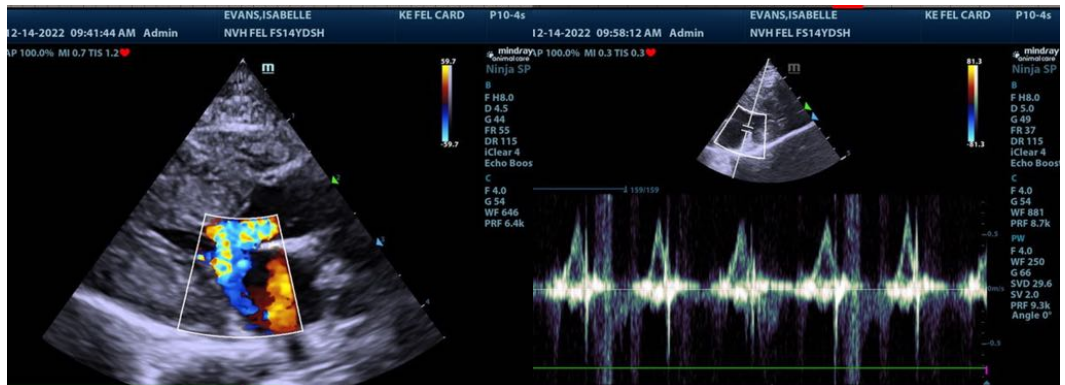
43097

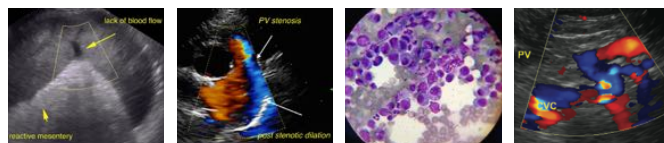
DATE

12/14/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The cardiac changes appears to be compensated at this time. Left ventricular hypertrophy can be consistent with hypertrophic cardiomyopathy phenotype. However, given the normal prior echocardiogram other systemic issues such as hyperthyroidism, hypertension or volume contraction should be considered. Regardless, the heart is compensated at this time. No therapy is recommended. Recheck echocardiogram is recommended in a year or earlier if any clinical signs develop.





PATIENT

Isabelle Evans

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

14 years

WEIGHT

7.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Jessica Miller, RDMS

HOSPITAL NAME

Newton VH

REFERRING VET

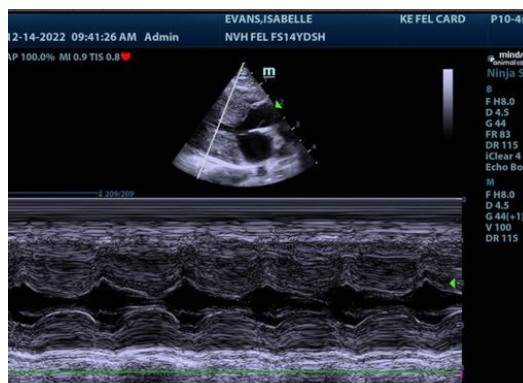
Dr. Wyman

INVOICE

43097

DATE

12/14/22



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, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com