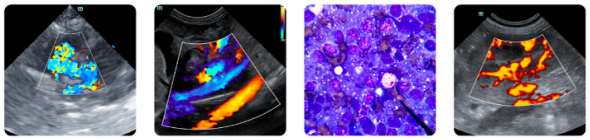


SonoPath.com info@sonopath.com 1.800.838.4268

PATIENT

Krinkleton Petras

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

2 Years

WEIGHT

8.6 Pounds

INTERPRETED BY

Sara Brethel, DVM, DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Christopher Roberts

HOSPITAL NAME

Kentown AH

REFERRING VET

Dr. Christopher Roberts

INVOICE

35666

DATE

11/24/25

PRESENTING CLINICAL SIGNS

History: heart murmur found on routine exam abnormal BNP P is doing well otherwise Abnormal PE/Chem/CBC/UA Results: required sedation for echo- alfaxalone- 0.4 mL IM, midazolam- 0.2 mL butorphanol- 0.1 mL IM grade 3/6 systolic murmur parasternal.

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	3.9	NM	0.48	1.17	0.63	--	--
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	--	1.12	--		NM	1.2	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 within normal limits. The mitral valve leaflets are normal and there is no mitral regurgitation. There is no evidence of systolic anterior motion of the mitral valve and no evidence of a left ventricular outflow tract obstruction. There is concentric hypertrophy of the left ventricle. The right atrium is normal. The tricuspid valve is normal without evidence of tricuspid regurgitation. The right ventricle appears to have preserved systolic function subjectively. The aortic and pulmonic valves are normal without evidence of insufficiency. Aortic and pulmonic outflow velocities are within normal limits. The aorta and PA are normal along with the associated PA branches. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Left ventricular concentric hypertrophy
- Normal Left atrial size

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient has evidence of left ventricular concentric hypertrophy and is classified as a stage B1 due to the normal left atrial size. If not already performed, it is recommended to ensure that patient's blood

PATIENT

Krinkleton Petras

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

2 Years

WEIGHT

8.6 Pounds

INTERPRETED BY

Sara Brethel, DVM, DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Christopher Roberts

HOSPITAL NAME

Kentown AH

REFERRING VET

Dr. Christopher Roberts

INVOICE

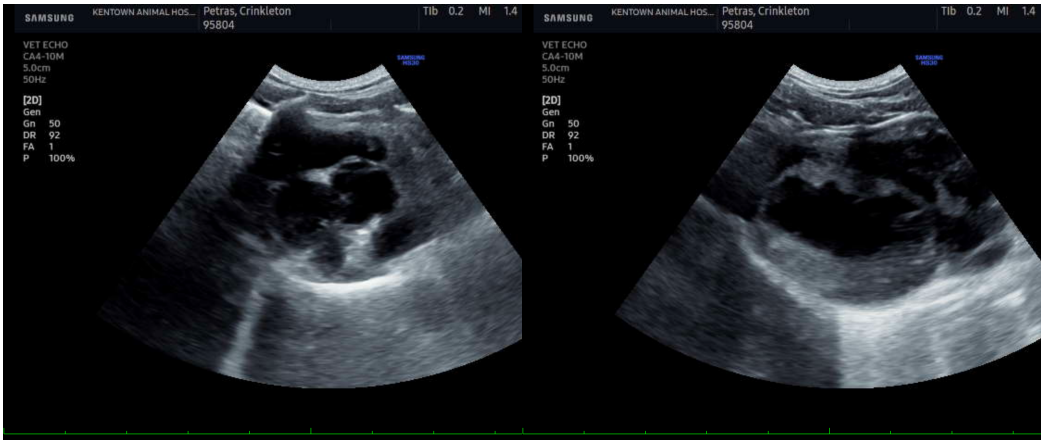
35666

DATE

11/24/25

pressure is normal, and the patient is euthyroid. If the patient is euthyroid and normotensive, then the patient has underlying hypertrophic cardiomyopathy. No cardiac medications are indicated at this time as the patient is at a low risk for complications associated with this condition. Since this can be a progressive condition, serial monitoring is recommended. It's recommended to recheck an echocardiogram in 6 months, sooner if the patient develops cardiovascular clinical signs.

Given the young age of the patient, recommend ensuring patient is FeLV/FIV neg. Can also consider infectious disease testing (PCR and serology) evaluating for conditions such as Bartonella that can cause transient myocardial thickening



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.

Sara Brethel DVM, DACVIM (Cardiology)

info@SonoPath.com