



PATIENT

Bumble Phillips

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Female

AGE

5 months

WEIGHT

5.25 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kitz

HOSPITAL NAME

Woodlands AH

REFERRING VET

Dr. Kitz

INVOICE

76323

DATE

7/31/23

PRESENTING CLINICAL SIGNS

History: Patient has had an intermittent gallop rhythm at kitten visits. Recently performed a cardiac BNP snap test and it was abnormal. We are concerned about possible HCM and didn't want to perform OHE without echo first.

Abnormal PE/Chem/CBC/UA Results: gallop rhythm intermittently

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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. Mild **left ventricular** hypertrophy was noted; however, this may be induced by tachyarrhythmia. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and **right ventricle** were mildly dilated in this patient, yet there was no evidence of pulmonic stenosis. I cannot rule out ventricular septal defect. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or pleural effusion was noted. The cranial **mediastinum** and **pericardial** regions were free of masses in the visible window. Periodic tachyarrhythmia was noted. Hepatic veins were not dilated. LV mode was during a tachycardic episode; however, other moments of fairly normal sinus rhythm was present.

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		NM	0.58	0.72	0.75		
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA (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	1.3				0.98	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							



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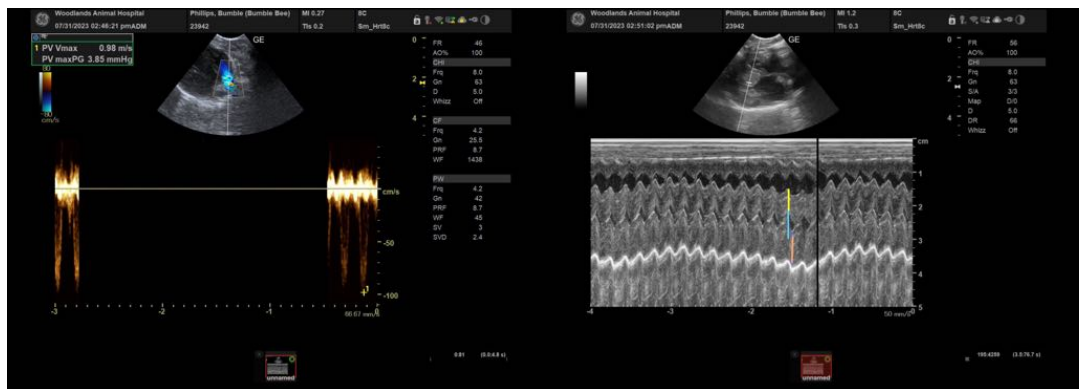
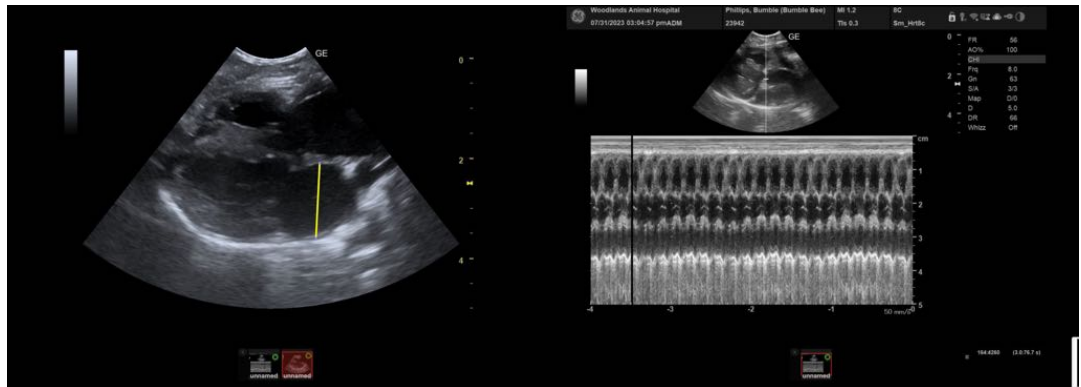
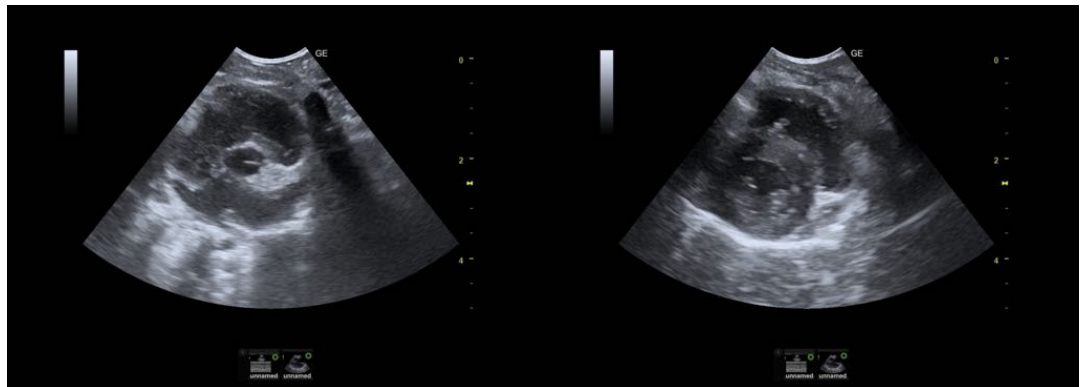
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ULTRASONOGRAPHIC FINDINGS

Structurally unremarkable heart with normal contractility and periodic pathological tachyarrhythmia.
Possible minor form of hypertrophic cardiomyopathy.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

EKG is indicated. Infectious agents should be considered. There was no overt congenital lesion; however, mild left ventricular hypertrophy/hypertrophic cardiomyopathy phenotype was noted.





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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.

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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.

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Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

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