


PATIENT PRESENTING CLINICAL SIGNS

Panda Buckton

History: Grade 2/6 systolic heart murmur previously diagnosed with hypertrophic cardiomyopathy (report attached) no Atenolol being given as he was becoming obsessive on the treats, and this was creating more behavioural issues.

SPECIES

Feline

Abnormal PE/Chem/CBC/UA Results: Jan 7, 2022 - HR 190 RR-24

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED	FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
DSH	NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
SEX	PATIENT	--	NM	0.63	1.15	0.63	47.3	82.2
Neutered Male	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/)	
AGE	NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
8 Years	PATIENT	1.22	1.5	1.3	1.2	1.4	NM	
WEIGHT	Adapted from June Boon, Veterinary Echocardiography, 1998							
5.3 kg	Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

INTERPRETED BY

 R. McKenzie Daniel, DVM,
 DABVP (Canine and
 Feline)

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size and structure with no evidence of "smoke" or thrombi. The cranial and caudal **mitral** valve leaflets appeared subtly thickened with some centralized insufficiency noted on Doppler. The **left ventricle** presented (previously noted) mild excessive free wall and septal thickness with increased endocardial echogenicity and evidence of myocardial remodeling. Concurrent prominent to remodeled papillary muscles were present.

Contractility of the ventricular walls was adequate as evidenced by the fractional shortening measurement. The **left ventricular outflow** tract demonstrated potential for mild turbulent systolic flow. Normal measured LVOT velocity. 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** appeared to mildly involved as well yet normal overall myocardial echogenicity and overall normal size. **Pulmonic** tract assessment revealed subjective laminar systolic 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.

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Bronte Village AH

REFERRING VET

Dr. McGrath

ULTRASONOGRAPHIC FINDINGS

- Hypertrophic obstructive cardiomyopathy- essential static presentation compared to previous echocardiogram without evidence of progressive LV hypertrophic changes or progressive LA enlargement.

INVOICE

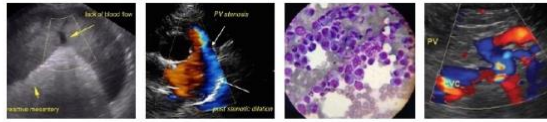
13487

DATE

1/18/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ideally, atenolol, as previously recommended may potentially prove beneficial in this case, however,



PATIENT

Panda Buckton

given the lack of progressive cardiac changes and previous adverse effects associated with atenolol administration, continued conservative monitoring at this stage, would be reasonable. Monitor at home for any respiratory signs or signs of cardiac disease. Monitoring of blood pressure (if possible) is suggested. Recheck echocardiogram suggested in 6 months to assess for evidence of progression or sooner if clinical signs suggestive of heart disease develop.

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

8 Years

WEIGHT

5.3 kg

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and
Feline)

**IMAGING
PERFORMED BY**

Kelly Reschny

HOSPITAL NAME

Bronte Village AH

REFERRING VET

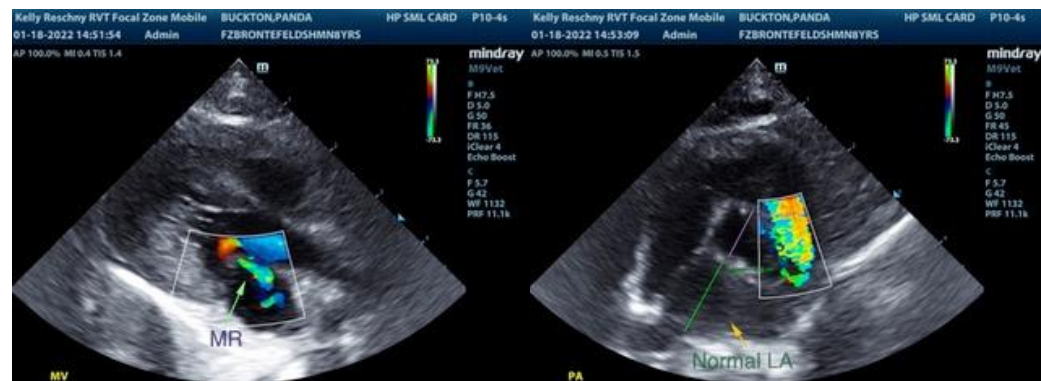
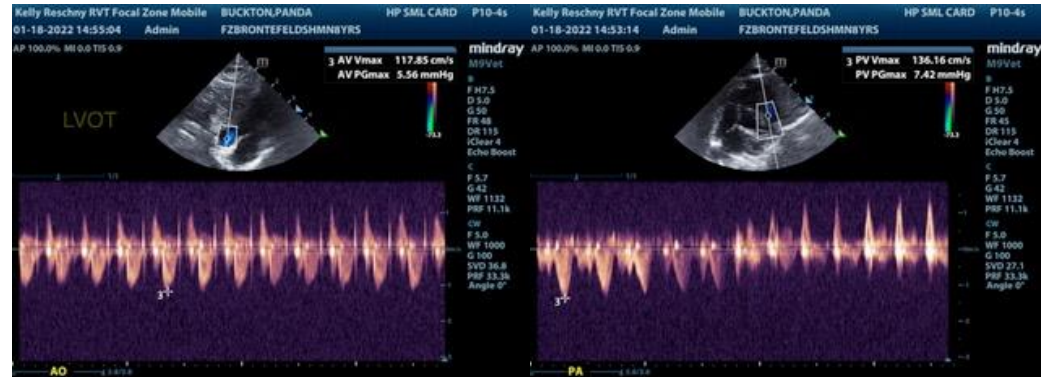
Dr. McGrath

INVOICE

13487

DATE

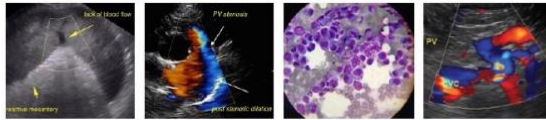
1/18/22



The information and recommendations provided are based on the images presented by the referring veterinarian. 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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com



PATIENT

Panda Buckton

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

8 Years

WEIGHT

5.3 kg

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and
Feline)

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Bronte Village AH

REFERRING VET

Dr. McGrath

INVOICE

13487

DATE

1/18/22