



PATIENT

Biscuit Mouza

SPECIES

Feline

BREED

BSH

SEX

Male

AGE

4 Years

WEIGHT

5.9

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Inam ul haq, DVM,
MRCVS

HOSPITAL NAME

City VC, Abu Dhabi,
Khalifa City

REFERRING VET

Inam ul haq, DVM,
MRCVS

INVOICE

20323

DATE

1/2/23

PRESENTING CLINICAL SIGNS

History: Biscuit was diagnosed with HCM at another facility on 10-3-2021. The owner came for follow-up. Biscuit is doing good at home

Abnormal PE/Chem/CBC/UA Results: SAM was noticed. LV wall thicknesses are more or less the same as seen in the previous visit. MR jet and LVOT turbulence was seen. Occasional arrhythmia with VPCs was seen. Notes from previous report r in the notes to specialist

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	--	NM	0.73	1.25	0.67	48	82
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	--	1.42	1.46	>3.0	1.22	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 echocardiogram in this patient demonstrated normal **left atrial** size and structure with no evidence of "smoke" or thrombi. Systolic anterior motion of the mitral valve was noted, owing to dynamic left ventricular outflow obstruction. Mitral and LVOT turbulence were present. The **left ventricle** presented excessive free wall and septal thicknesses with hypertrophic thicknesses compared to normal for this species. The **myocardium** presented essentially normal echogenicity without immediate signs of fibrotic or ischemic disease. **Contractility** of the ventricular walls was considered excessive for this patient evidenced by the elevated fractional shortening measurement. 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. The hepatic veins were not dilated.

ULTRASONOGRAPHIC FINDINGS

- Hypertrophic cardiomyopathy phenotype with dynamic obstruction



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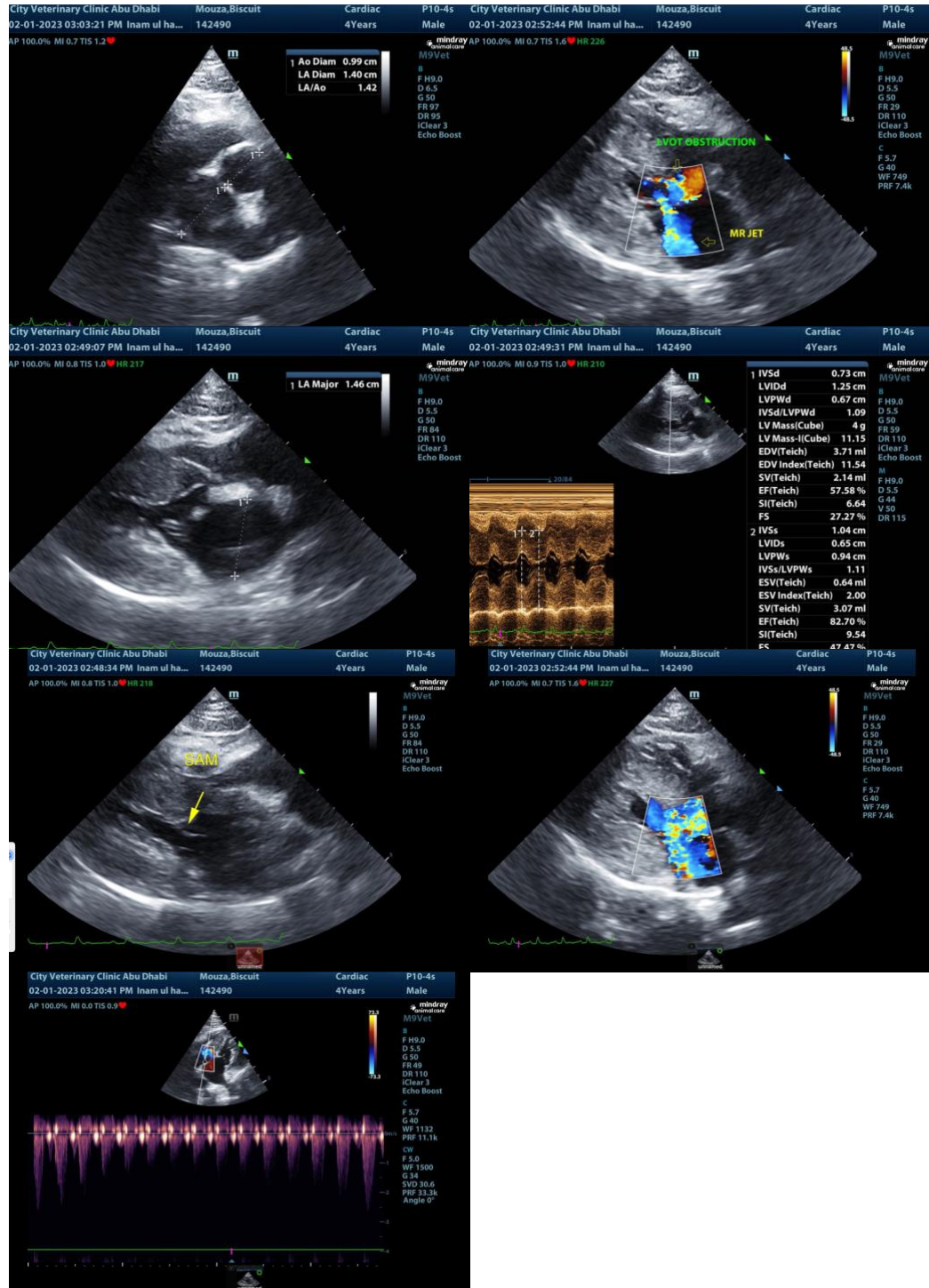
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The left ventricular hypertrophy appears to be compensated at this time. There is dynamic LVOT obstruction, however, without any clinical signs, such as exercise intolerance, then no specific therapy is warranted, unless EKG results merit therapy. Stable HOCM phenotype with no volume overload. Recheck echo in 6 months.





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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.

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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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info@SonoPath.com

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