



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Shiny Noor
SPECIES Feline
BREED Persian Cross
SEX Male
AGE 12 years
WEIGHT 2.7 kg

PRESENTING CLINICAL SIGNS
History: Presented with the complaint of diarrhea of several days duration. Grade 3HM was heard on auscultation
Abnormal PE/Chem/CBC/UA Results: Moderate to severe anemia on complete blood count. Alb:glob 0.4. Positive on feline corona test. No fluid was seen in the abdomen or in the chest. Feline proBNP was abnormal

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. **Mitral** valve insufficiency was noted on color flow assessment. Minor systolic anterior motion in this patient, periodic and does not appear to be a clinical issue. However, this may be exacerbated at higher heart rates. The septal and free wall thicknesses measure normal and contractility appears adequate. Echogenic striations were noted in the **myocardium** in this patient. It does not appear to be affecting function; however, this is consistent with some level of myocardial fibrosis, which can be an age related change and not clinically an issue at this time. Dynamic **left ventricular outflow** tract obstruction was noted. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window. Occasional arrhythmia was noted. The hepatic veins were not dilated.

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Inam ul haq

HOSPITAL NAME

City Veterinary Clinic
 Abu Dhabi, Khalifa City

REFERRING VET

Dr. Inam ul haq

INVOICE

42274

DATE

12/21/22

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	2.7 kg	110	0.43	1.55	0.36	58	90
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		1.45	1.6 max	1.13	1.1	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							



PATIENT

Shiny Noor

ULTRASONOGRAPHIC FINDINGS

Mild myocardial remodeling, minor dynamic LVOT obstruction.

Minor mitral insufficiency.

SPECIES

Feline

Occasional arrhythmia.

BREED

Persian Cross

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

EKG is indicated. No specific therapy is recommended unless basal heart rate is >200 or exercise intolerance is an issue. Recheck echocardiogram is recommended in 6 months or earlier if any clinical signs initiate. Theoretically this patient may be an HCM phenotype patient that has remodeled into normal wall thicknesses. However, there is no active clinical issue with this heart at this time.

SEX

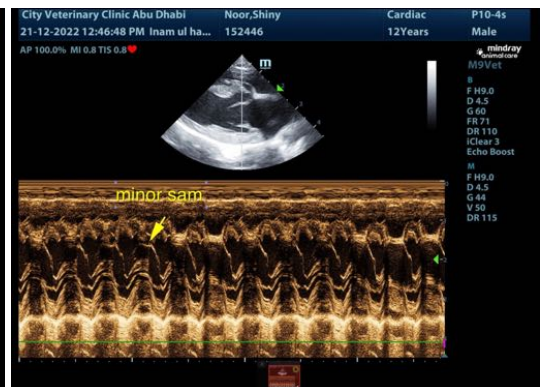
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PATIENT

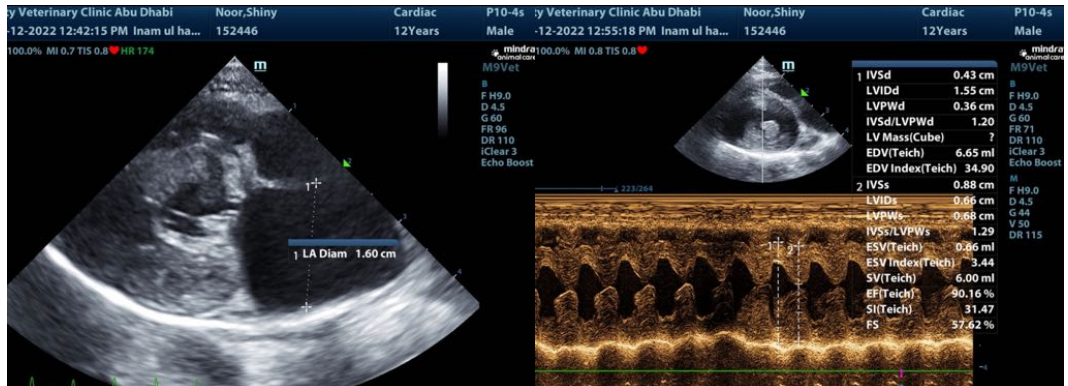
Shiny Noor

SPECIES

Feline

BREED

Persian Cross



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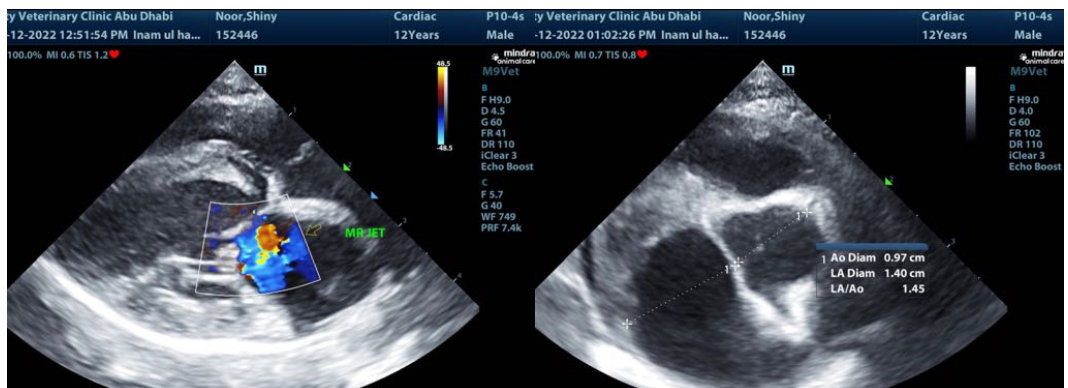
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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