



PATIENT PRESENTING CLINICAL SIGNS

Patient: Phinneas Storm
Admitted for dental 1 month ago and noted a new 3/6 heart murmur as well as an elevated Pro BNP. Cancelled dental and booked echo instead. No current meds. Has a fractured tooth that requires extraction.

Species: Feline
Abnormal PE/Chem/CBC/UA Results: CARDIOPET PROBNP-FELINE 12/14/21 7:55a Normal Range Low High Measure and size of these clumps, as well as CARDIOPET PROB 563 High (0 100) pmol/L Mildly elevated Calcium, Retics and low Platelets.

BREED ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Breed: Domestic Shorthair
The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. **Mitral** valve insufficiency was noted at 6.9 m/sec. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions and angles of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** insufficiency was noted. 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. The patient is tachycardic likely owing to excitement.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Chippawa AH

REFERRING VET

Dr. Dowell

INVOICE

94799

DATE

12/21/21

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		230	0.32	1.64	0.33	46	80
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	1.6	1.59			1.9	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 ULTRASONOGRAPHIC FINDINGS

Phinneas Storm Compensated mitral and tricuspid insufficiency. Velocities were elevated owing to tachycardia. No volume overload was present.

SPECIES Otherwise, structurally normal heart.

Feline

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED No treatment is recommended. A recheck echocardiogram is recommended in 6 months. EKG is warranted to ensure that sinus tachycardia is the issue causing elevated heart rate.
Domestic Shorthair

SEX

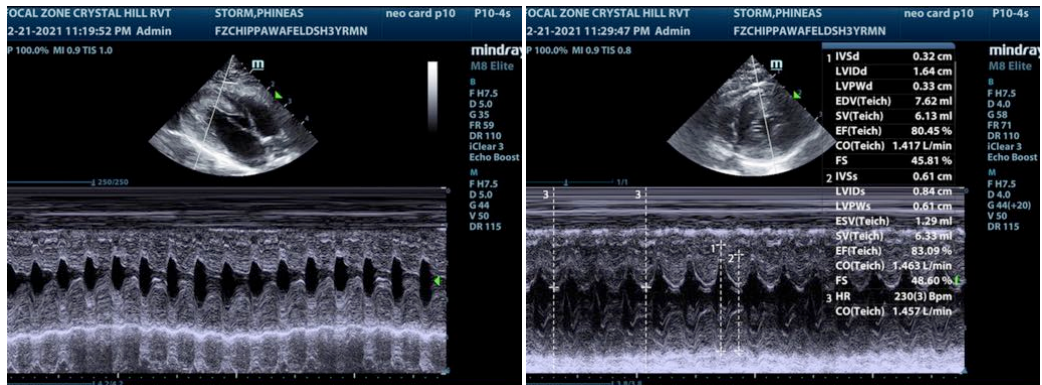
Neutered male

AGE

3 years

WEIGHT

5.3 kg



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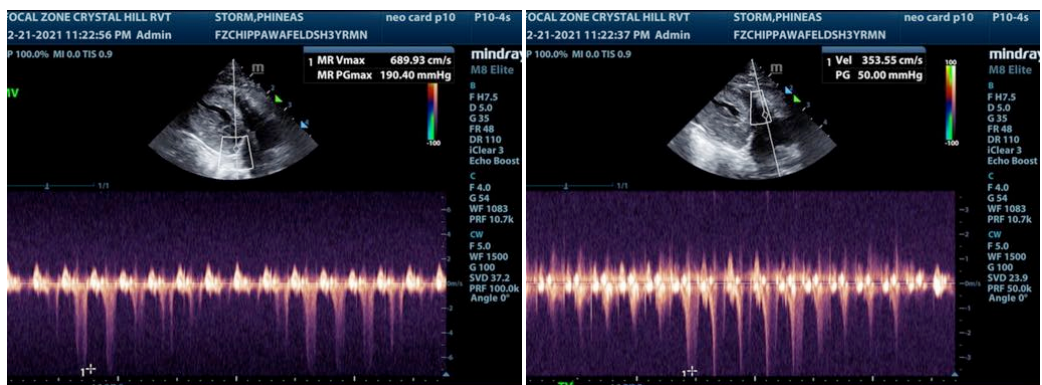
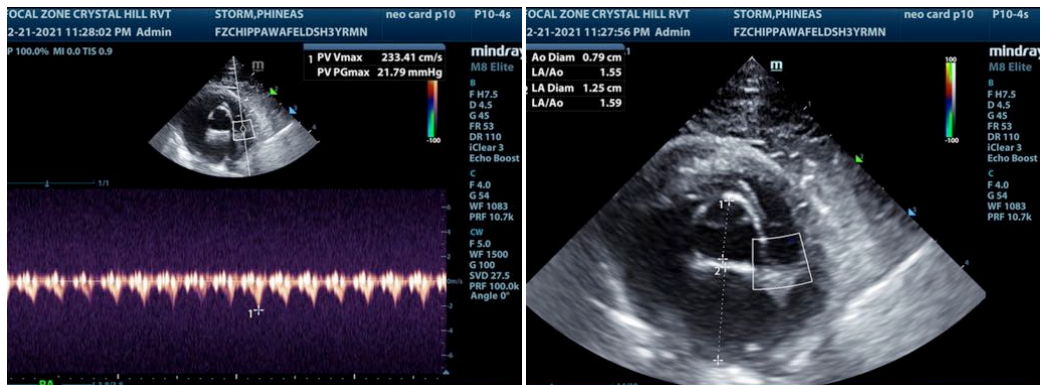
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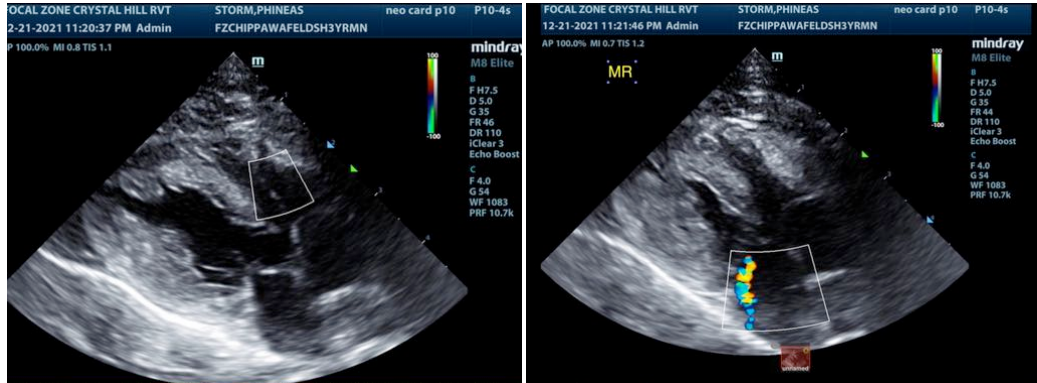
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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