



PATIENT

Grayson Clark

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

12 years

WEIGHT

11.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

All Creatures Great
and Small Corvallis

REFERRING VET

Dr. Marszewski

INVOICE

98128

DATE

4/722

PRESENTING CLINICAL SIGNS

History: Chronic hx of irregular arrhythmia heard on exam; prior workup declined by owner but no other concerns Presented yesterday for acute onset vomiting and bloated abdomen.

Abnormal PE/Chem/CBC/UA Results: Irregular irregular arrhythmia, strong femoral pulses Slightly increased RR w/abdominal effort fluid wave on abdominal palpation AFAST positive 4/4 Bloodwork pending

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated quadro chamber volume overload with arrhythmogenic activity and pericardial and pleural effusion. Severe **right atrial** enlargement was noted at 3.5 cm. **Left atrial** enlargement was noted at 2.0 cm. The septal and free wall thicknesses were normal. However, contractility was poor. Severe mitral and tricuspid insufficiency was noted. The **mitral** valve revealed insufficiency measured 2.5 m/sec. **Tricuspid** insufficiency was noted and measured 2.56 m/sec.

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	0.5	1.65	0.43	28	58
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	2.77				1.0		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							

ULTRASONOGRAPHIC FINDINGS

Unclassified cardiomyopathy with arrhythmogenic activity and pericardial and pleural effusion.

Left and right sided heart failure.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This patient is at high risk for sudden death. I recommend off label use of Pimobendan at 0.3 mg/kg b.i.d. Plavix therapy, Lasix at 12.5 mg b.i.d. x 3 doses diminishing based on any azotemia and dehydration along with Ace inhibitor is recommended at 0.5 mg/kg s.i.d. The prognosis is poor. However, it may stabilize under medication. Taurine supplementation would also be ideal. A rercheck echocardiogram is



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recommended in 7-10 days assuming this patient survives this current crisis. EKG and blood pressure measurements are indicated.

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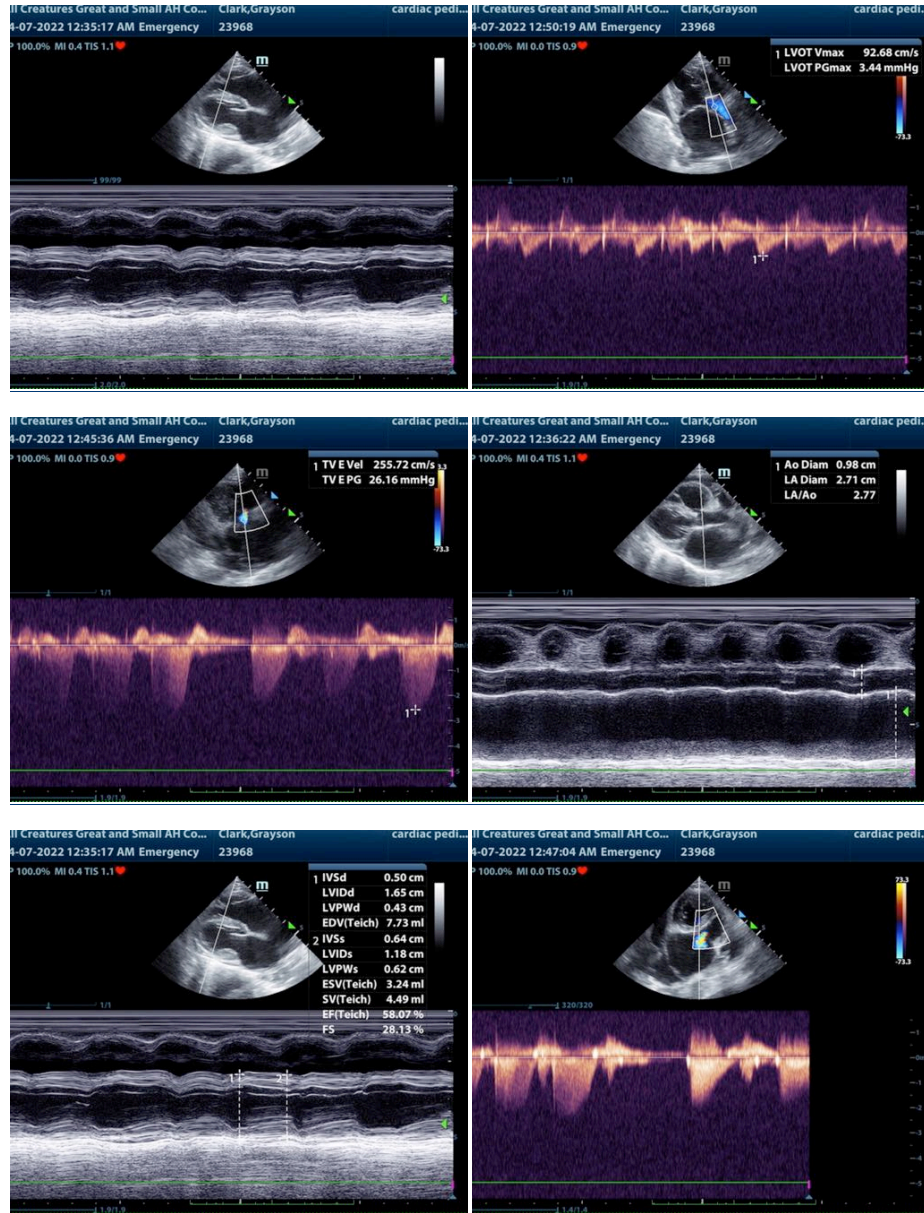
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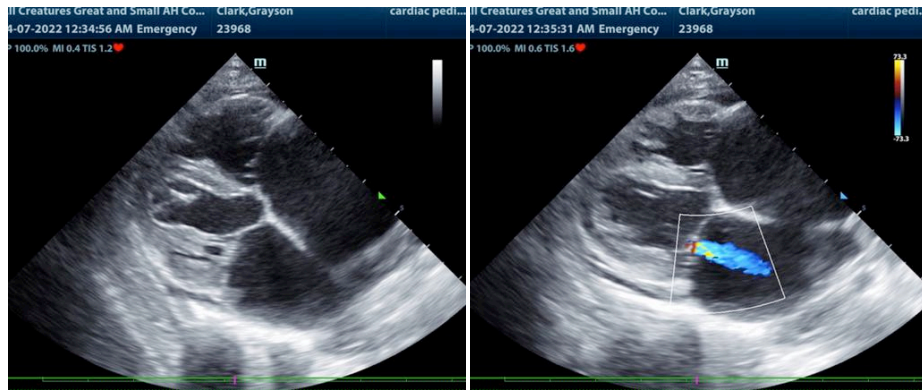
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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