



PATIENT PRESENTING CLINICAL SIGNS

Douglas Masciale Cardiac work up VPC's. Elevated renal values. Trace protein in the urine.

SPECIES BREED **ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Feline

BREED

Siamese

SEX

Neutered male

AGE

15 years

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics.. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. Mild **myocardial** remodeling was noted, yet not effecting **contractility**. 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** 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. Significant persistent arrhythmia was noted during the exam, yet does not appear to be a functional issue at this time.

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

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HOSPITAL NAME

Butler

REFERRING VET

Dr. Garro

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		215	0.4	1.26	0.34	59	91
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	1.1	1.2	1.2	1.3	0.96	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							

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DATE

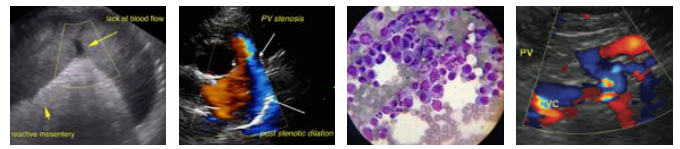
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ULTRASONOGRAPHIC FINDINGS

Geriatric heart with arrhythmia.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Torbutrol premed, Propofol induction, and Isoflurane maintenance is recommended if anesthesia is necessary. However, EKG is essential in this case to monitor. Given the frequency of the arrhythmia,



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anti-arrhythmic therapy is likely necessary for long term management based on EKG results. There was no evidence of structural disease.

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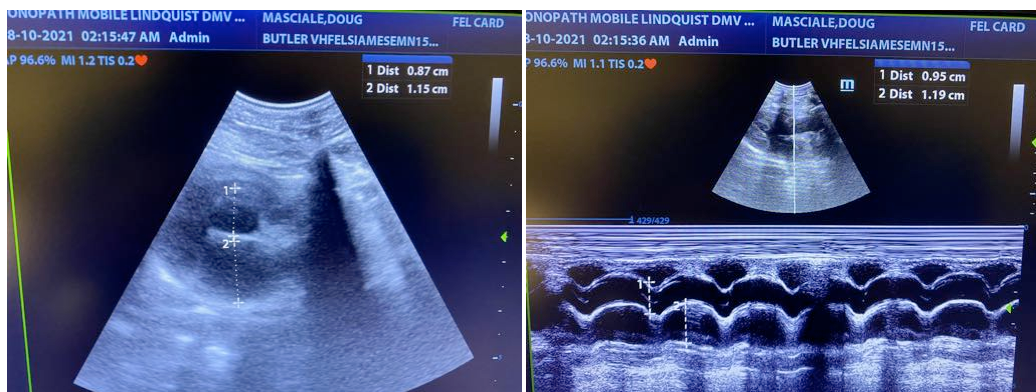
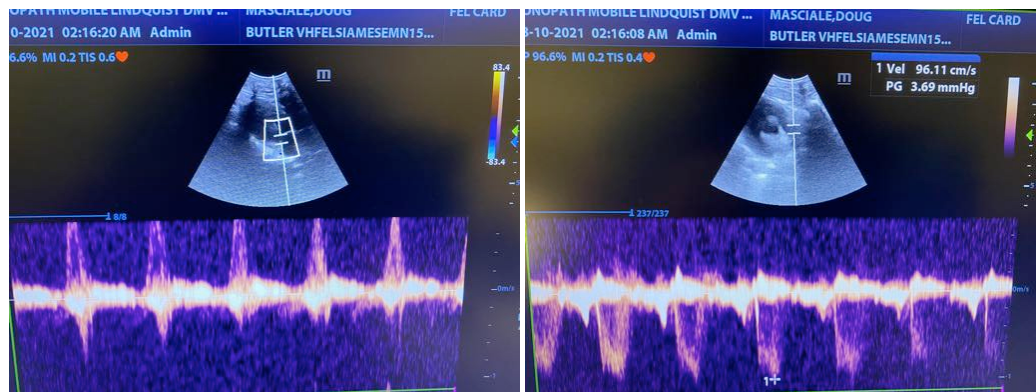
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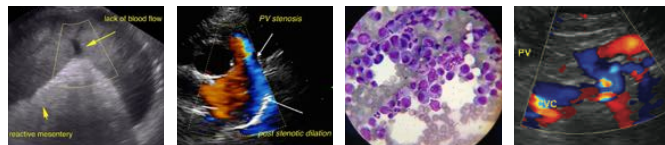
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



PATIENT

Info@SonoPath.com

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