

PATIENT

Sam Ross

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

10 years

WEIGHT

12 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

West Eugene AH
Oregon

REFERRING VET

Dr. Sundholm

INVOICE

69262

DATE

12/2/25

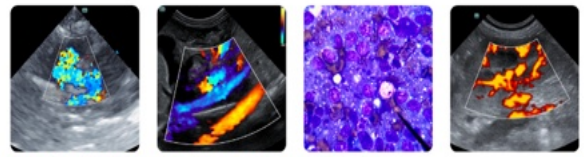
PRESENTING CLINICAL SIGNS

History: P presented for exam following adoption from deceased owner. No known medical Hx. Pet had grade 3/8 heart murmur on presentation. P has stage 2 CKD and severe periodontal disease
Abnormal PE/Chem/CBC/UA Results: Cre 1.5, SDMA 19, USG 1.018, T4 WNL. HR 180, RR 30

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. Minor **mitral** valve insufficiency was noted. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. **Myocardial** remodeling was noted in this patient. **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** 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. Bradycardia was noted in this patient.

FELINE CARDIAC PARAMETERS	BODY WEIGHT	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	12 lbs	NM	0.54	1.6	0.5		
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
PATIENT	1.1		1.5		0.75		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

Sam Ross Normal echocardiogram with trivial mitral insufficiency, not clinically significant at this time.

SPECIES Bradycardia, normal if the patient was sedated.

Feline

BREED INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Domestic Shorthair

No cardiac medications are recommended unless arrhythmogenic activity is identified as pathological based on EKG results. No contraindications to anesthetic procedure for a dental procedure from a cardiac standpoint as long as EKG and blood pressure measurements are normal.

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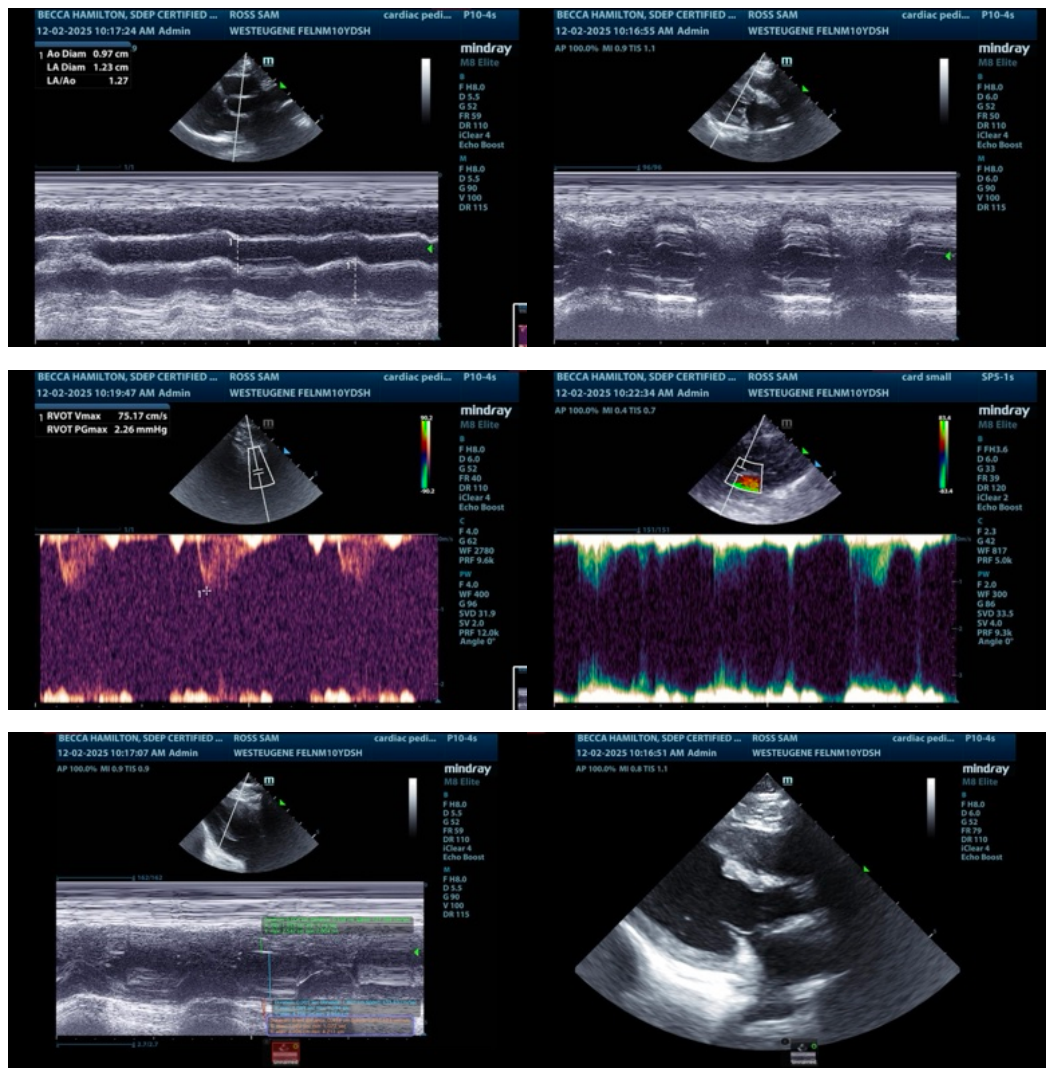
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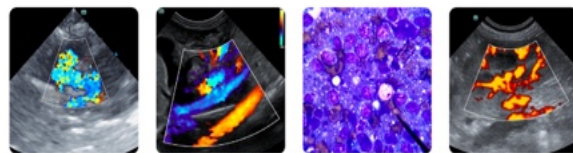
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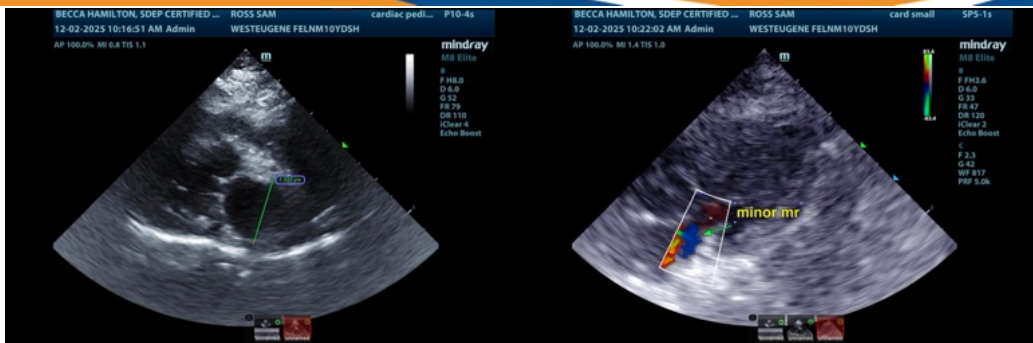
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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