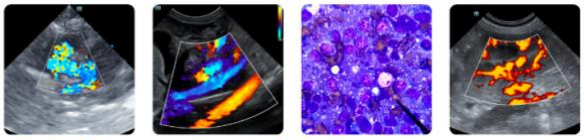

PATIENT

Penelope Radford

SPECIES

Canine

BREED

Pitbull Mix

SEX

Spayed Female

AGE

10 Years 5 Months

WEIGHT

45 kg

INTERPRETED BY

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS

IMAGING PERFORMED BY

Joless Stegemoller, DVM

HOSPITAL NAME

North Idaho Animal Hospital (VCA)

REFERRING VET

Alex Glasgow, DVM

INVOICE

16290

DATE

05/15/26

PRESENTING CLINICAL SIGNS

Pt presented for COHAT on 5/15/26 and a parasternal L sided systolic murmur and arrhythmia (dropped beats) were appreciated on pre-anesthetic exam. No cardiovascular symptoms appreciated at home per O. Pt is potentially cushingoid.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	--	--	1.0	1.5	--	--	0.1
CANINE CARDIAC PARAMETERS	**HR** (BPM)	**AV VMAX** (m/s)	**PV MAX** (m/s)	**BODY WEIGHT** (kg)	**LAD** LA MAX 4 Chamber	**LVIDd** Avg; 2D and m-mode short axis (cm)	**LVIDs** Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	NM	1.6	1.0	45	3.9	3.7	--

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. 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 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. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** 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. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window. No arrhythmogenic activity was noted during the exam.

ULTRASONOGRAPHIC FINDINGS

- Structurally unremarkable heart.

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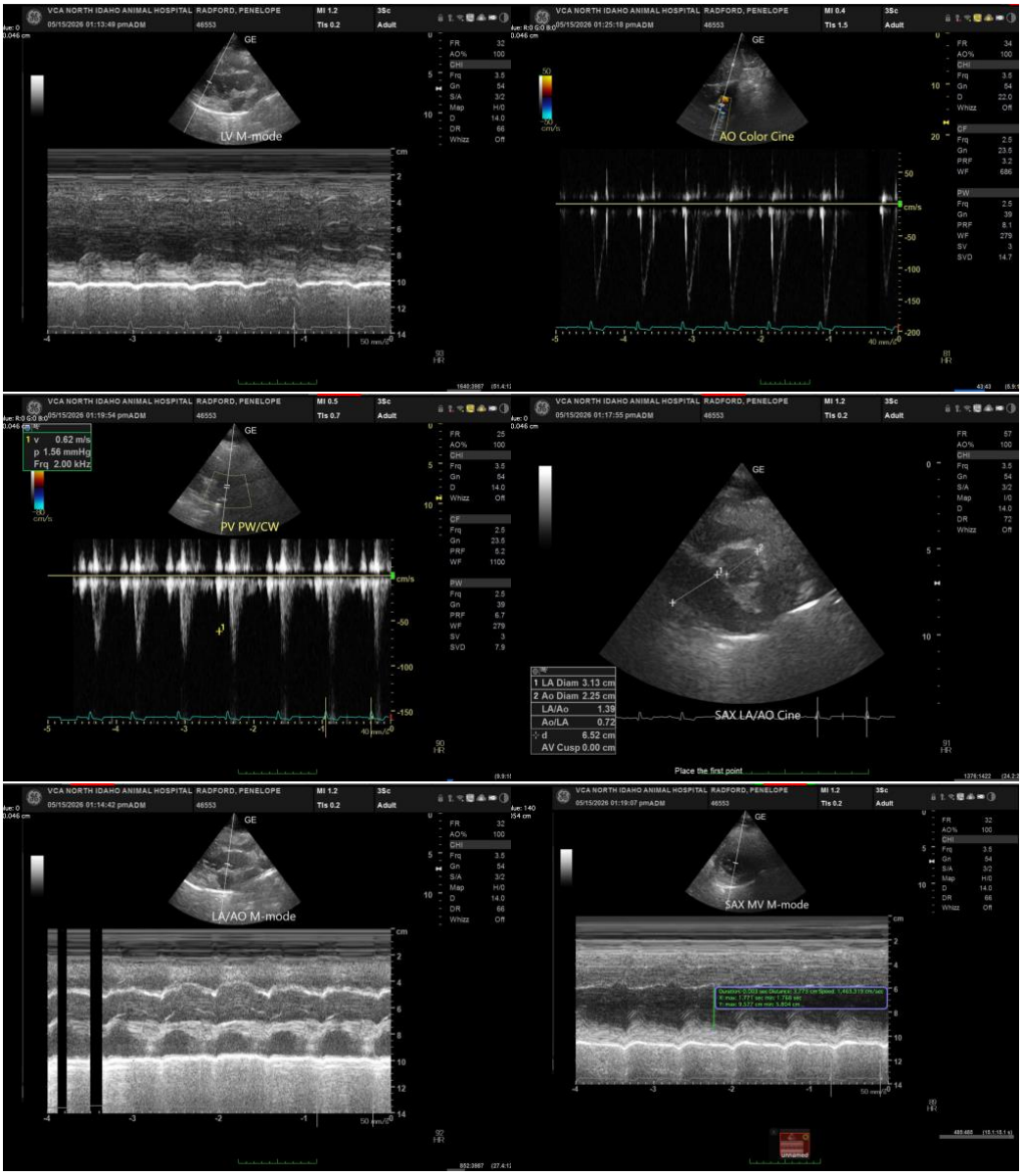
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of hemodynamically significant disease. Color flow assessment did not reveal any definitive turbulence. A Holter monitor would be indicated given the patient's history. Based on the echocardiogram, no contraindication to anesthetic procedure. However, this assessment would be mainly based ideally upon a Holter monitor. It may be obtained from our office with cardiologist review.



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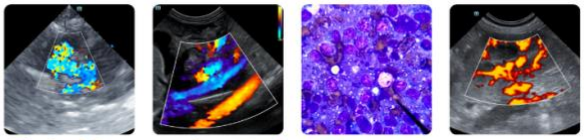

Clinical Sonography & Telecytology
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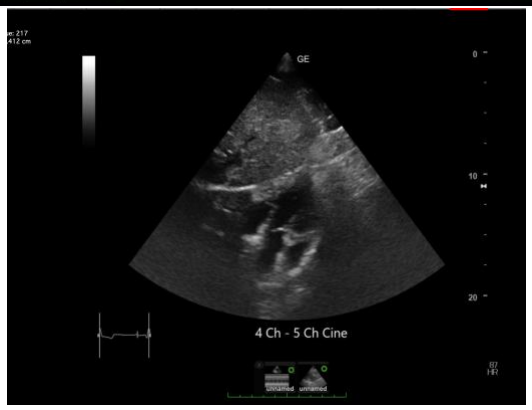

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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(CFM), Cert. IVUSS,

CEO, Owner, Founder -- SonoPath.com

info@SonoPath.com