



PATIENT

Banjo Phillips

SPECIES

Hedgehog

BREED

African Pygmy

SEX

Intact male

AGE

4 years

WEIGHT

405 grams

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ryan Leal

HOSPITAL NAME

Wellesley AH

REFERRING VET

Dr. Dean

INVOICE

69252

DATE

12/2/25

PRESENTING CLINICAL SIGNS

History: Pt presents for echocardiogram. Bradycardia noted on PE during presentation for abscess. POCUS showed concern for possible DCM. Echo recommended. Pt given butorphanol for echocardiogram. Pt tolerated well.

Abnormal PE/Chem/CBC/UA Results: PE: Bradycardia and increased RR/RE noted, SQ abscess, scaling skin, BW: N/A

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated borderline enlarged **left atrium**. **Mitral** valve insufficiency was noted in this patient. There was mild volume overload of the **left ventricle** noted. 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** 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. Trace **pericardial and pleural** effusion was noted. Arrhythmogenic activity was noted during the exam.

CARDIAC PARAMETERS	BODY WEIGHT	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
PATIENT	405 grams	NM	0.25	1.32	0.25	30	
CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	EPSS
PATIENT	1.7					0.9	0.2
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

Mitral insufficiency and myocardial insufficiency.

Left-sided heart failure and aortic insufficiency.

Trace pericardial and pleural effusion.



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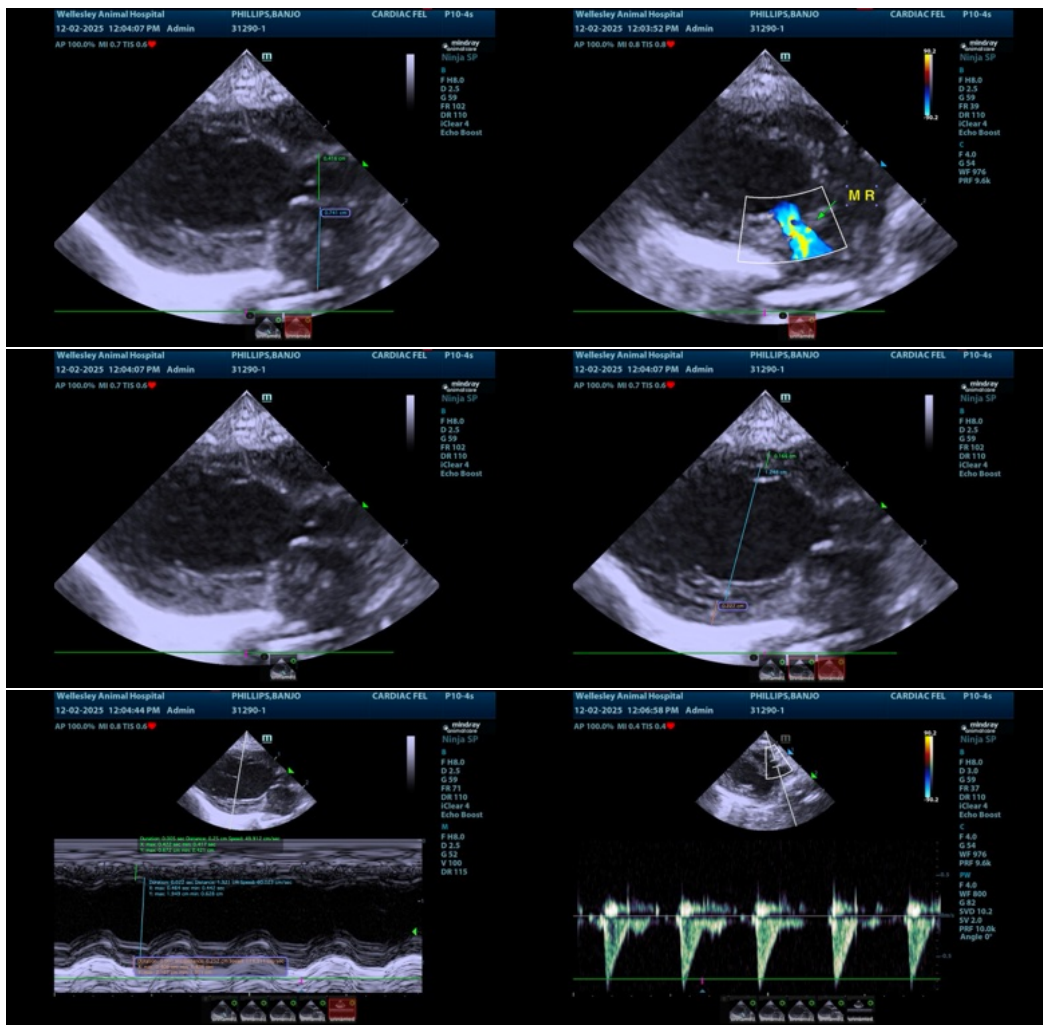
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Myocarditis and endocarditis are strong potentials in this patient. Pimobendan would be indicated if utilizable in this species at 0.3 mg/kg b.i.d. An ace inhibitor and Lasix would also be indicated if safe in this species. Broad spectrum antibiotic is recommended to treat for endocarditis. Recheck echocardiogram is recommended in 2 weeks. Nutritional cardiomyopathy should also be considered.





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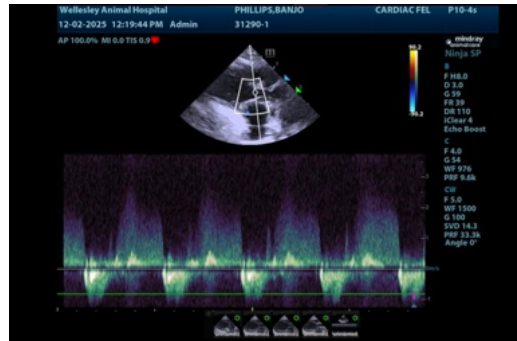
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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 (CFM), Cert. IVUSS, CEO of SonoPath.com

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