



## PATIENT PRESENTING CLINICAL SIGNS

T'Challa Parra

T'Challa presented on 1/29/22 for a wellness exam. At that appointment the owner stated that he has been chronically coughing, with episodes happening about twice a month. His physical exam was otherwise unremarkable, with no heart murmur auscultated.

## SPECIES

Feline

Abnormal PE/Chem/CBC/UA Results: Current Medications None currently. We are starting Fluticasone inhaler for asthma (see below Baermann fecal negative)

## BREED

DSH

## SEX

Neutered Male

## AGE

3 Years

## WEIGHT

11.6 Pounds

## INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

## ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	0.35	1.33	0.45	71	97
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		1.2	1.4		1.3	0.95	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

## Cardiac Presentation

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. 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. The cranial **mediastinum** and **pericardial** regions were free of masses in the visible window.

## ULTRASONOGRAPHIC FINDINGS

- Normal echocardiogram

## INVOICE

35844

## DATE

3/2/22

## HOSPITAL NAME

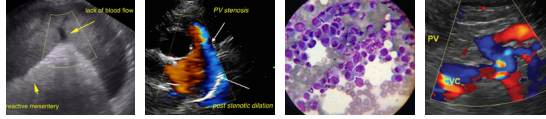
West Eugene AH

## REFERRING VET

Dr. Sundholm

## IMAGING PERFORMED BY

Sara Hansen



**PATIENT**

T'Challa Parra

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No evidence of cardiac disease. The cough is non-cardiogenic in this patient. The heart is normal.

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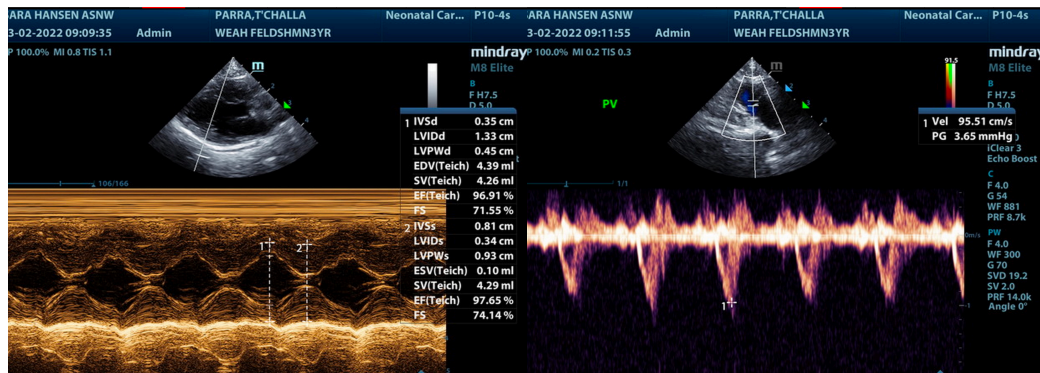
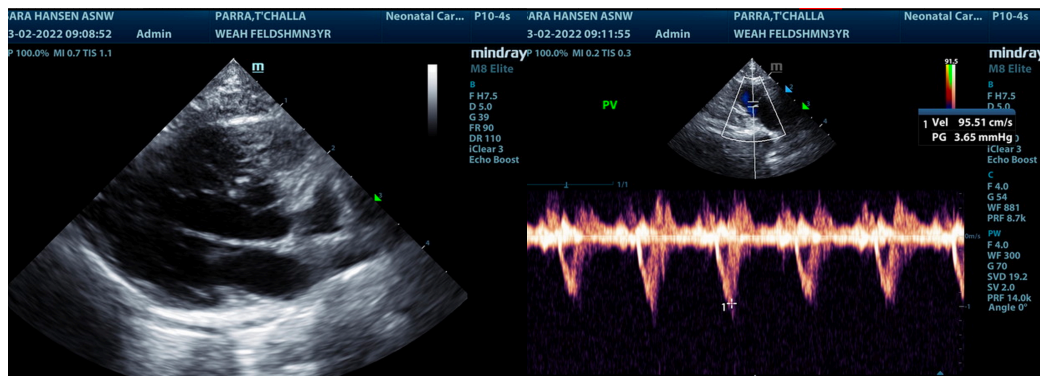
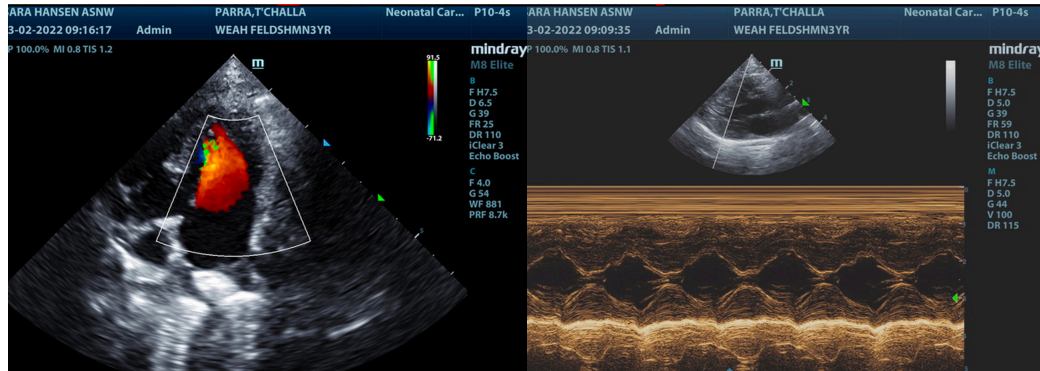
Dr. Sundholm

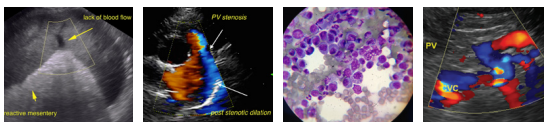
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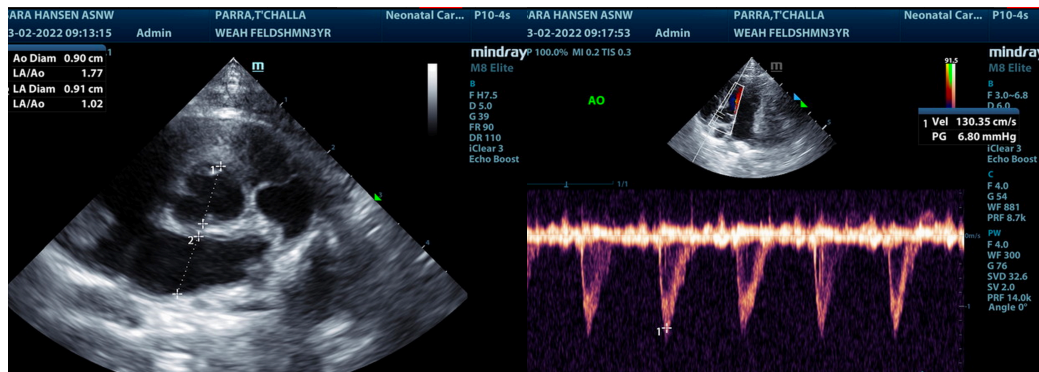
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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