


PATIENT PRESENTING CLINICAL SIGNS

Huey Duenas Patient is normal no PE but has exercise intolerance after a short burst of running around (starts panting and takes a few minutes to recover)

SPECIES

Feline

Abnormal PE/Chem/CBC/UA Results: ABNORMAL Laboratory Findings NSF Heart Rate and Respiratory Rates N/A Blood Pressure Measurements N/A Current Medications None Radiographic Findings Possible mild bronchiolar pattern; increase opacity cranial to the heart

BREED

DMH

ULTRASONOGRAPHIC EXAMINATION OF THE HEART
SEX

MN

AGE

1yr

WEIGHT

10.91lb

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	0.44	1.32	0.44	51	86
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	1.4	1.0	0.9		

INTERPRETED BY

 R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

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

IMAGING PERFORMED BY

Sara Hansen

Cardiac Presentation

The echocardiogram in this patient demonstrated normal left atrial size based on 2 separate LA measurements. The cranial and caudal mitral valve leaflets presented normal linear structure and kinetics. No overt MR present on Doppler. 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. The 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. Normal measured LVOT velocity was present. 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. No overt TR present on Doppler. 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). Normal measured RVOT velocity was present. 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.

HOSPITAL NAME

West Eugene AH

REFERRING VET

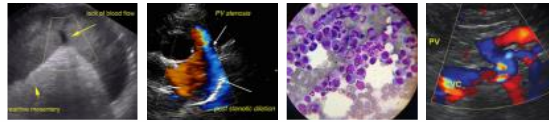
Larsen

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14583ag

DATE

08/11/2023



PATIENT ULTRASONOGRAPHIC FINDINGS

Huey Duenas

- Sonographically normal cardiac structure and function.

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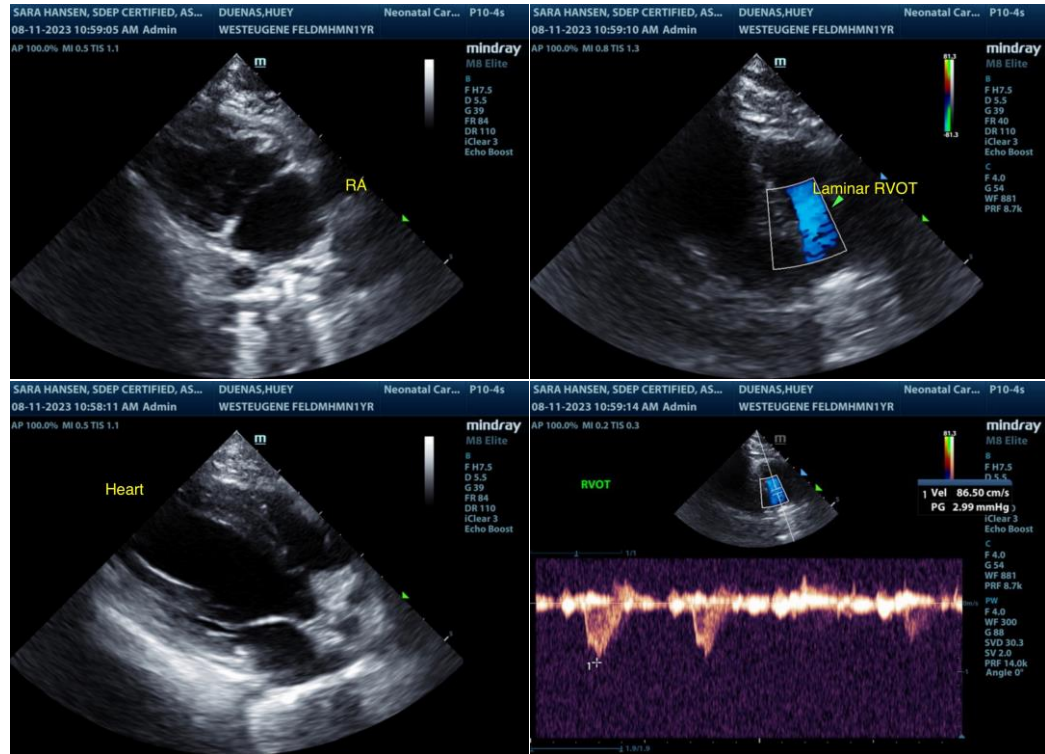
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of structural or functional cardiomyopathy was present in this study including no evidence of a congenital abnormality i.e., PDA, overt VSD. No evidence of chamber enlargement, volume overload or LV systolic dysfunction. The definitive cardiac cause of the exercise intolerance was not obvious. Given the young age of the patient or if a murmur develops, sonographic reassessment or cardiac referral for further assessment may be considered. No indication for cardiac medications.





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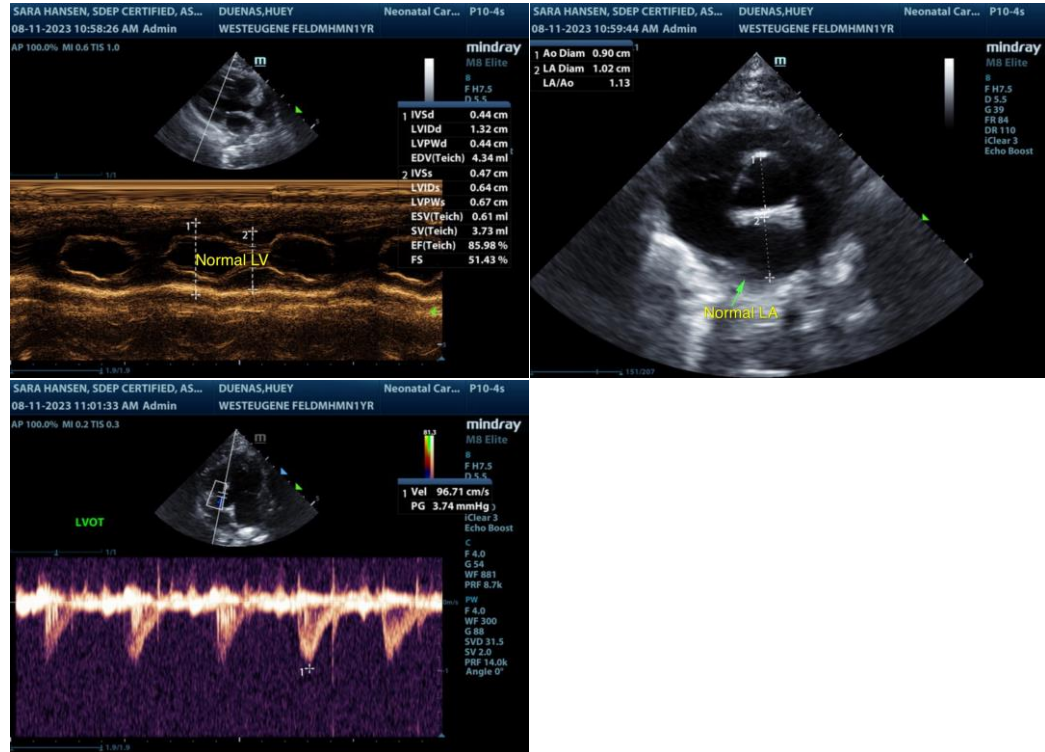
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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