

PATIENT PRESENTING CLINICAL SIGNS

Taffy Doble Eupneic, no wheezing or reduced lung sounds. radiology: indistinct soft tissue opacity left cranial lung field at level of thymus. diffuse mild bronchial pattern.

SPECIES Lateral Radiograph: Chronic bronchial pattern with prominent aorta, aortic arch, and cranial mediastinal density. BUN 42, Crea 2.8.

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED	FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
DMH	NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
SEX	PATIENT		156	0.39	1.42	0.34	61	92
Spayed Female	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/)
AGE	NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7		<1.6	<1.3	40-60
N/A	PATIENT	1.25	1.22	1.2		1.0	0.67	NM
WEIGHT	Adapted from June Boon, Veterinary Echocardiography, 1998							
7.1 Pounds	Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh

HOSPITAL NAME

The Ark Vet Clinic

REFERRING VET

Dr. Bohannon

DATE

9/12/21

INVOICE

25348

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). The **aorta** was slightly prominent in this patient, largely an age related change. The cranial mediastinum was free of evident pathology. There were no acoustic windows available for any sampling, nor are there any densities in the chest that are available for sampling. Comet tail lung pattern noted, consistent with the radiographic findings of bronchoalveolar disease.



PATIENT **ULTRASONOGRAPHIC FINDINGS**

- Taffy Doble
- Normal echocardiogram
 - Comet tail lung pattern

SPECIES **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Feline

I do not see any evidence of neoplasia in this patient. The cardiac volumes were normal. Blood pressure measurements are recommended, as hypertension may be contributing to the aortic presentation. CT of the chest would be ideal in this patient. However, given the azotemia and the clinical history of the patient, recommend abdominal sonogram to assess for primary disease and for evaluation of the kidneys.

BREED

DMH

SEX

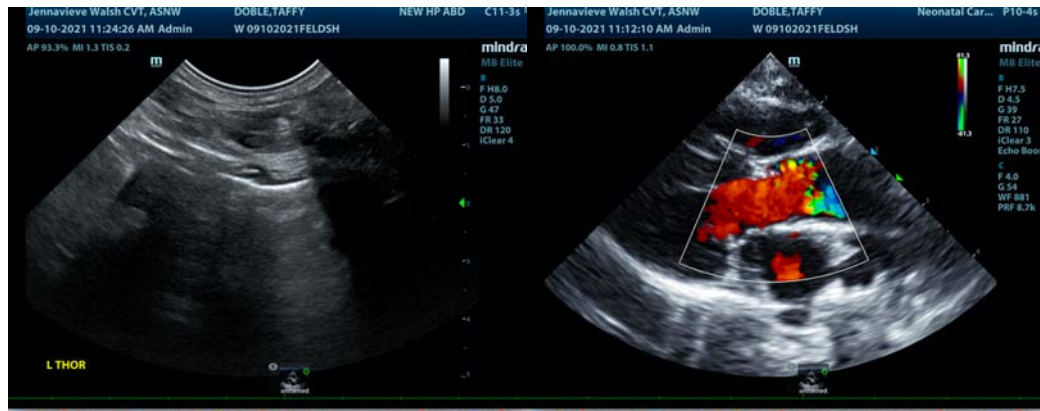
Spayed Female

AGE

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WEIGHT

7.1 Pounds



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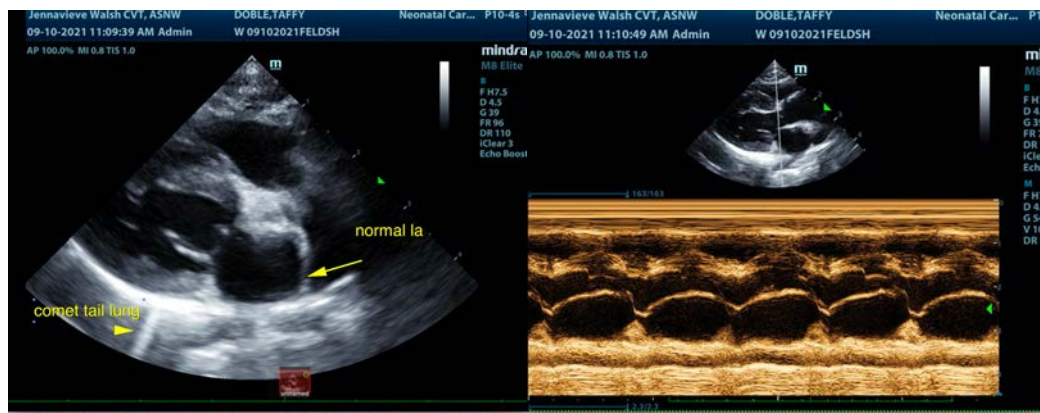
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PATIENT

Taffy Doble

SPECIES

Feline

BREED

DMH

SEX

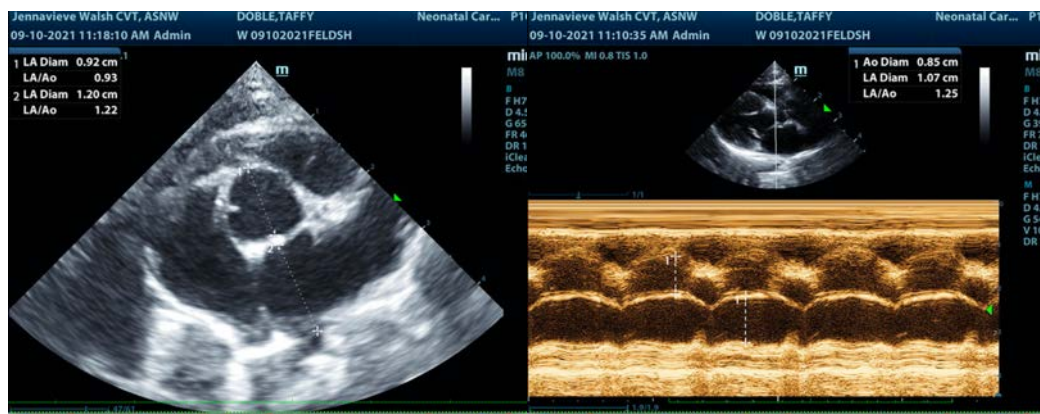
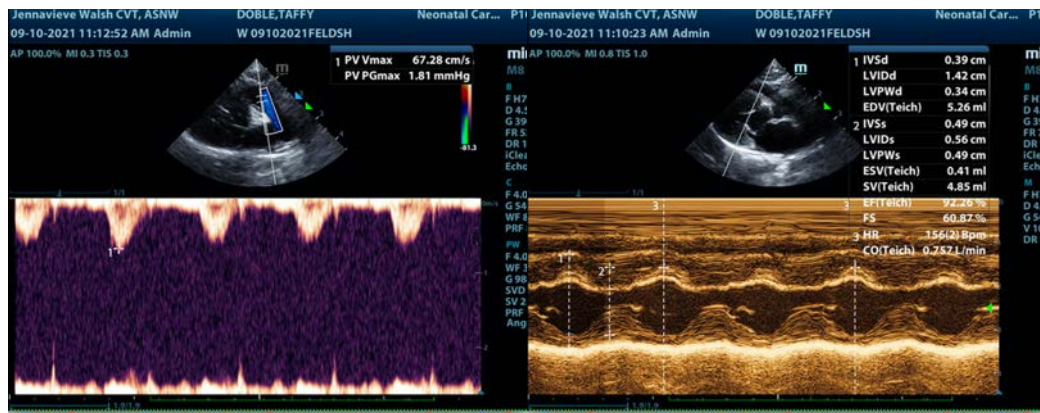
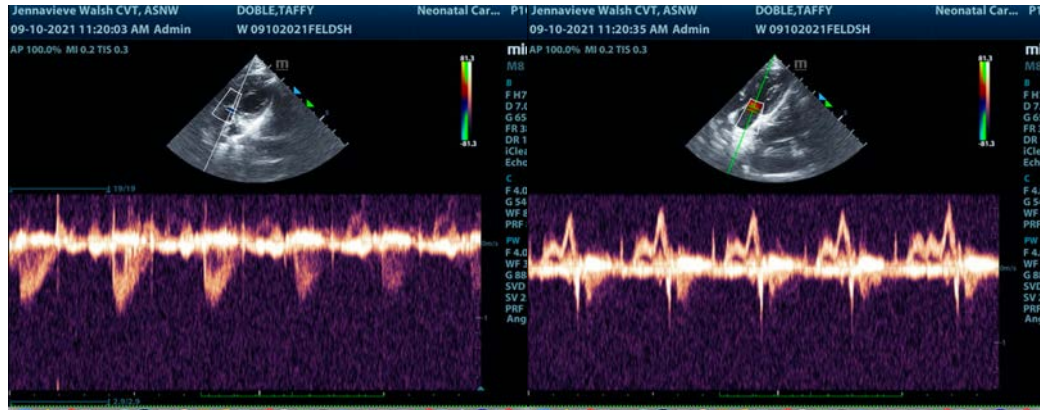
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PATIENT

Taffy Doble

SPECIES

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BREED

DMH

SEX

Spayed Female

AGE

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WEIGHT

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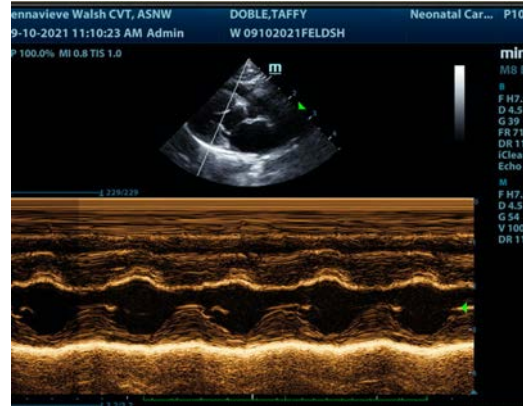
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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