



**PATIENT PRESENTING CLINICAL SIGNS**

Bella Werley Pt was improving w/ IVF to treat severe pancreatitis and hepatitis but developed cough. Concern for underlying cardiac dz no HM noted Current meds IVF (P-Lyte ) Unasyn, Metro Furosemide  
Abnormal PE/Chem/CBC/UA Results: HCT 30 % WBC 37.8% Lymph 5-6K Neu 27.9 K

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Canine

BREED	CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
Pug								
SEX	NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
Spayed Female	PATIENT			1.12	1.2	30		0.2
AGE	CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
10 Years								
WEIGHT	NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
22 Pounds	PATIENT		1.1	0.86		2.4	2.0	

**INTERPRETED BY Cardiac Presentation**

Eric Lindquist, DMV DABVP, Cert. IVUSS

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Trivial mitral turbulence noted, not clinically significant. The **left ventricle** presented 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.

**IMAGING PERFORMED BY**

Jenn

**HOSPITAL NAME**

Rockaway AH

**REFERRING VET**

Dr. Ascot

**ULTRASONOGRAPHIC FINDINGS**

- Trivial mitral turbulence, not clinically significant
- Normal echocardiogram otherwise

**INVOICE**

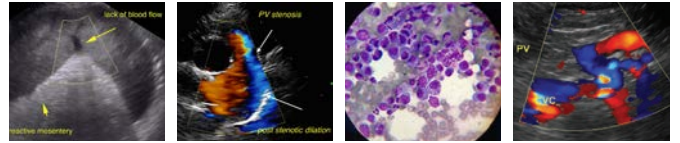
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The cough is non-cardiogenic in this patient.

**DATE**

12/22/21



**PATIENT**

Bella Werley

**SPECIES**

Canine

**BREED**

Pug

**SEX**

Spayed Female

**AGE**

10 Years

**WEIGHT**

22 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

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**HOSPITAL NAME**

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**REFERRING VET**

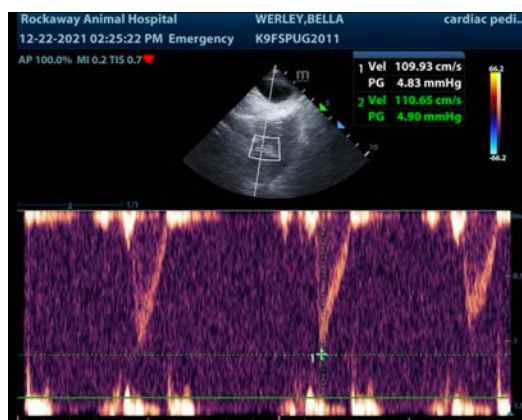
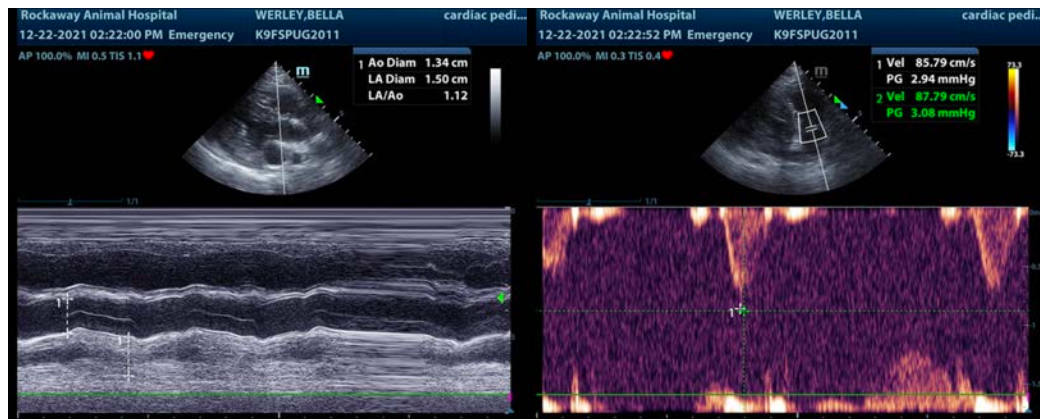
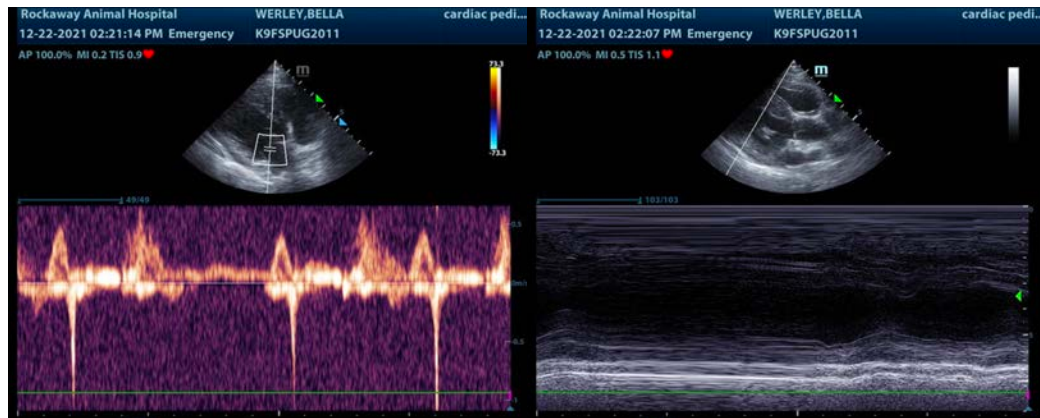
Dr. Ascot

**INVOICE**

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**DATE**

12/22/21



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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