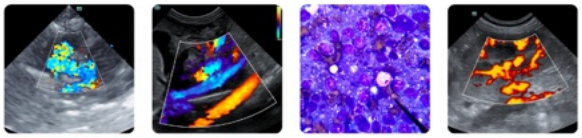

PATIENT

Elly Bolduc

SPECIES

Canine

BREED

Patterdale Terrier

SEX

Spayed female

AGE

12 years

WEIGHT

21.1 lbs

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Veterinary Wellness Center

REFERRING VET

Dr. Sepulveda

INVOICE

69197

DATE

12/1/25

PRESENTING CLINICAL SIGNS

History: V, diarrhea, decreased appetite. Incidental +/- mediastinal density noted on rads (rads attached for reference)

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. 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). Free fluid and masses were noted. The hepatic veins were not dilated. Cranial mediastinum revealed a fat density that measured 2.5 x 2.3 cm. This does not appear overtly pathologic.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	LA/AO (Heart Base)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.1	1.23	27	55	0.1
CANINE CARDIAC PARAMETERS	**HR** (BPM)	**AV VMAX** (m/s)	**PV MAX** (m/s)	**BODY WEIGHT**	**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)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT	158	1.63	1.0	21.1 lbs	2.52	2.53	

ULTRASONOGRAPHIC FINDINGS

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I cannot guarantee that some areas of micro consolidation of lung noted, yet the visible density cranial

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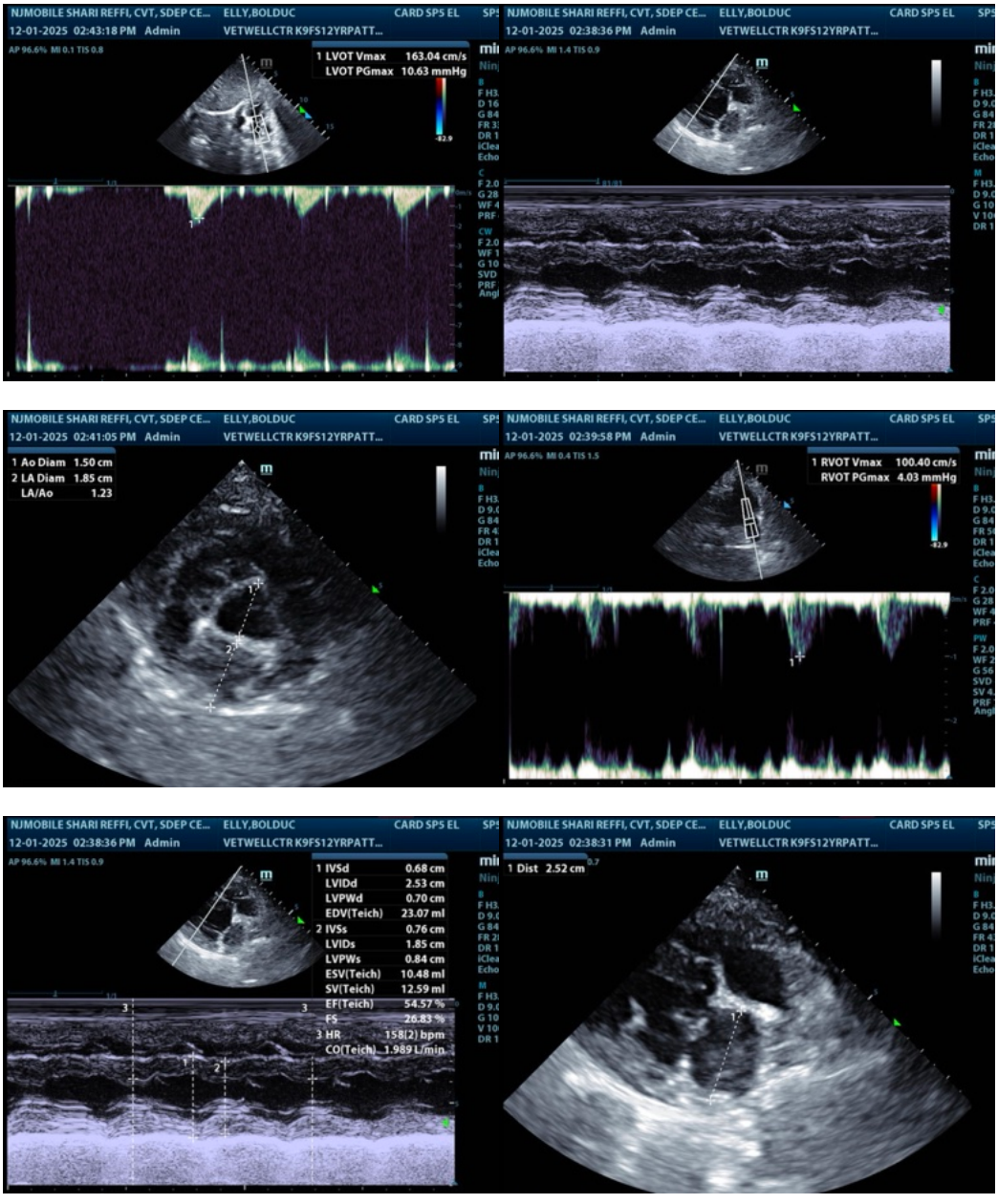
to the heart is consistent with fat accumulation. Adjacent to that density as minor micro consolidation along would fit with chronic bronchioalveolar disease based on radiographs. However, note that if air interface is obscuring the densities further in the chest ultrasound would not be able to image it. Chest CT would be optimal in this patient. There is no evidence of cardiac disease influencing the clinical history. Given the GI signs abdominal sonogram is recommended to assess for primary disease in the abdomen.



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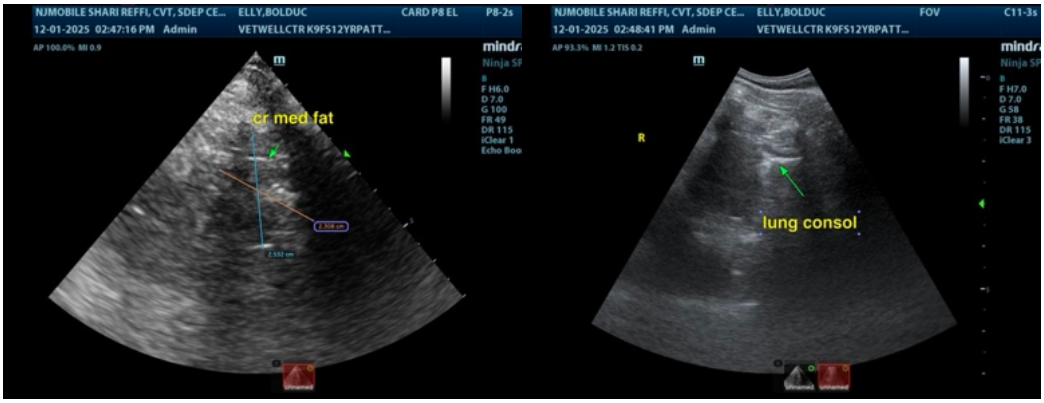

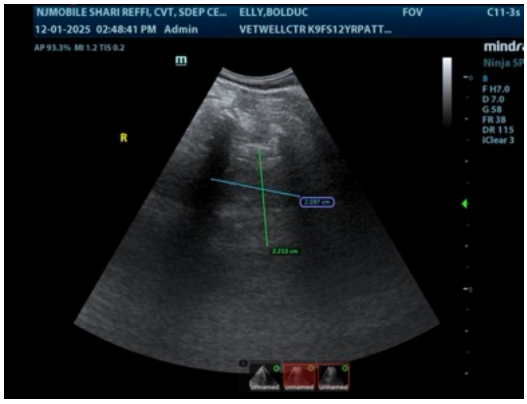

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Info@SonoPath.com