

PATIENT

Luna Yates

SPECIES

Canine

BREED

Cane Corso C

SEX

FS

AGE

6 yrs

WEIGHT

43.9 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Waterloo West

REFERRING VET

Gajadhar

INVOICE

10483

DATE

12/18/25

PRESENTING CLINICAL SIGNS

Findings: - No major concerns on PE - Patient seems more lethargic for the past few months. Showing signs of exercise intolerance. - Is gaining weight despite being severely restricted on calories in the diet - only eats about 850 kcal/ day - Has been on a grain free leguminous diet (Acana) for the past 6 years and has only recently changed foods within the past month or two - Bloodwork is unremarkable

ULTRASONOGRAPHIC EXAMINATION OF THE HEART & ABDOMEN

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT				1.25	32	60	0.3
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LAD LA MAX 4 Chamber	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				
PATIENT	NM	1.7	1.2		4.6	4.5	

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 2 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). 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. No evidence of arrhythmia was noted. Possible tachycardia present.



PATIENT	Urinary System
Luna Yates	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine or lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
SPECIES	
Canine	No evidence of pathology in the area of the aortic trifurcation.
BREED	
Cane Corsio C	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 7.0 cm in length. The right kidney measured 7.2 cm in length.
SEX	
FS	
AGE	Adrenal Glands
6 yrs	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.55 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.73 cm width at the caudal pole.
WEIGHT	
43.9 kg	Spleen
INTERPRETED BY	The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
IMAGING PERFORMED BY	Liver/ Gallbladder
Amanda Stewart	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.
HOSPITAL NAME	Gastrointestinal
Waterloo West	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained echogenic, nonshadowing ingesta consistent with food echogenicity without signs of obstruction or foreign material.
REFERRING VET	
Gajadhar	The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained segmental mild nonshadowing echogenic ingesta consistent with normal food without signs of ileus, obstruction or foreign material.
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10483	Normal visible colon wall layers were present with apparent formed feces in lumen.
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PATIENT

Pancreas

Luna Yates

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

SPECIES

Canine

Free Abdomen

BREED

No overt lymphadenopathy or peritoneal effusion was present.

Cane Corsio C

ULTRASONOGRAPHIC FINDINGS

SEX

- Normal cardiac structure / function

FS

- Possible tachycardia

AGE

- Sonographically normal abdomen with mild gastric ingesta - consistent with food echogenicity

6 yrs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

There is no evidence of cardiac or abdominal visceral pathology, such as DCM-like cardiomyopathy, given patient diet history, or neoplastic criteria as an obvious cause of the patient's clinical signs. Baseline taurine level, given patient diet history, as well as ECG if confirmed tachycardia, is recommended.

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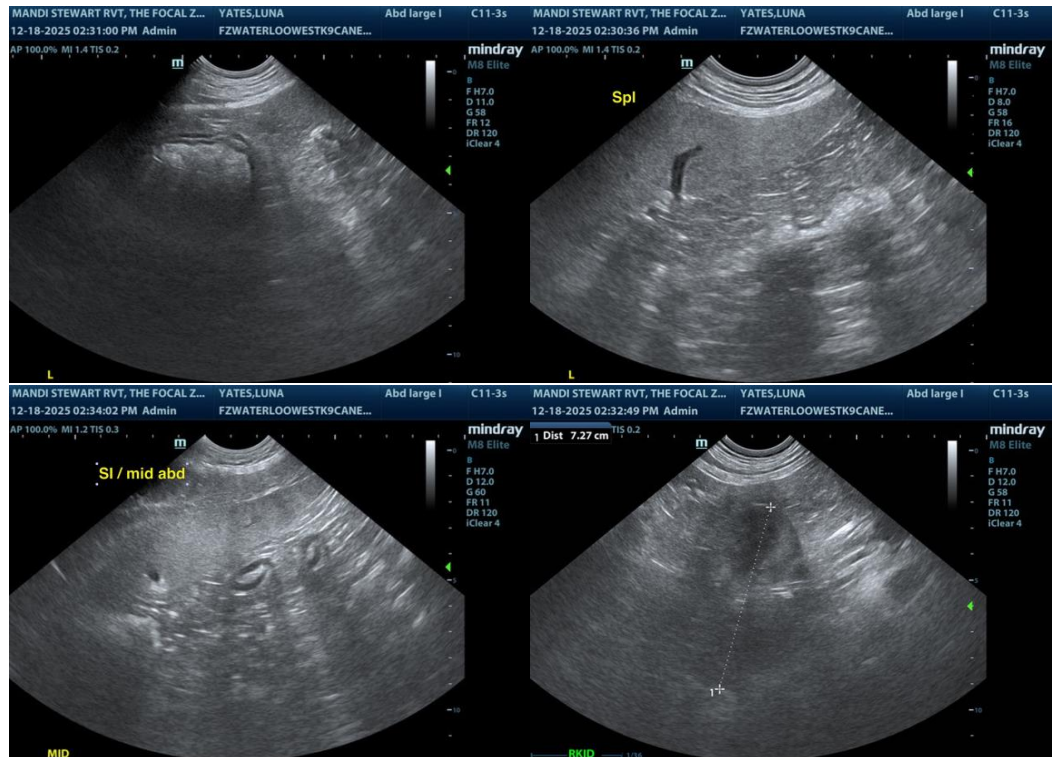
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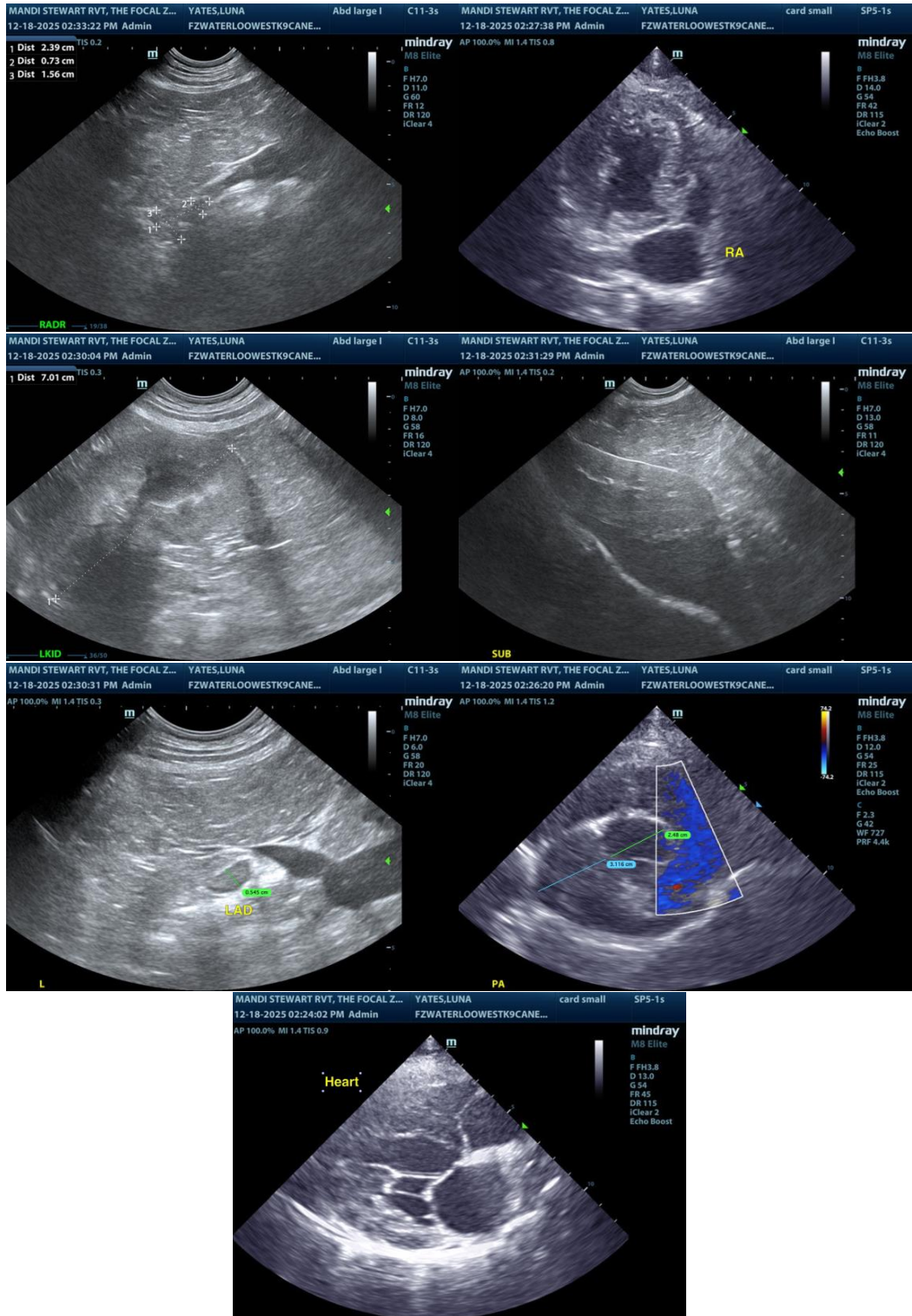
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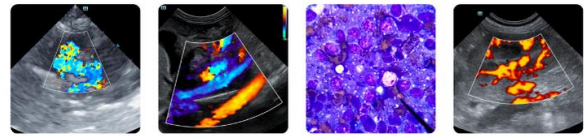
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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info@sonopath.com