



PATIENT

Chocolata de Santiago

SPECIES

Canine

BREED

Shih Tzu

SEX

Intact Female

AGE

5 Years

WEIGHT

12.5

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP (CFM), Cert.
 IVUSS

IMAGING PERFORMED BY

Ginny Dodd, DVM,
 ABVP-CFP

HOSPITAL NAME

Steele Creek Animal
 Hospital

REFERRING VET

Dr. Schuver

INVOICE

73360

DATE

3/4/26

PRESENTING CLINICAL SIGNS

2 DAY VOMITING YELLOW diarrhea, last estrus in 8/25

Abnormal PE/Chem/CBC/UA Results: ^WBC 31,000, ^ mono, ^ neut ALKP 8953, AST 106, Na/K 43, t bili 4.2, BUN 5.6, creat 0.4, phos 1.9, chol 516

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. Right kidney measured 4.3 cm. Left kidney measured 3.69 cm. Blood flow to the kidneys appeared to be adequate.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. Left measured 1.74 cm x 0.40 cm at the caudal pole and 0.50 cm at the cranial pole. Right measures 0.49 cm at the cranial pole and 0.45 cm at the caudal pole.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. Common bile duct measured 2.0 mm. No evidence of post-hepatic obstruction. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

Free Abdomen

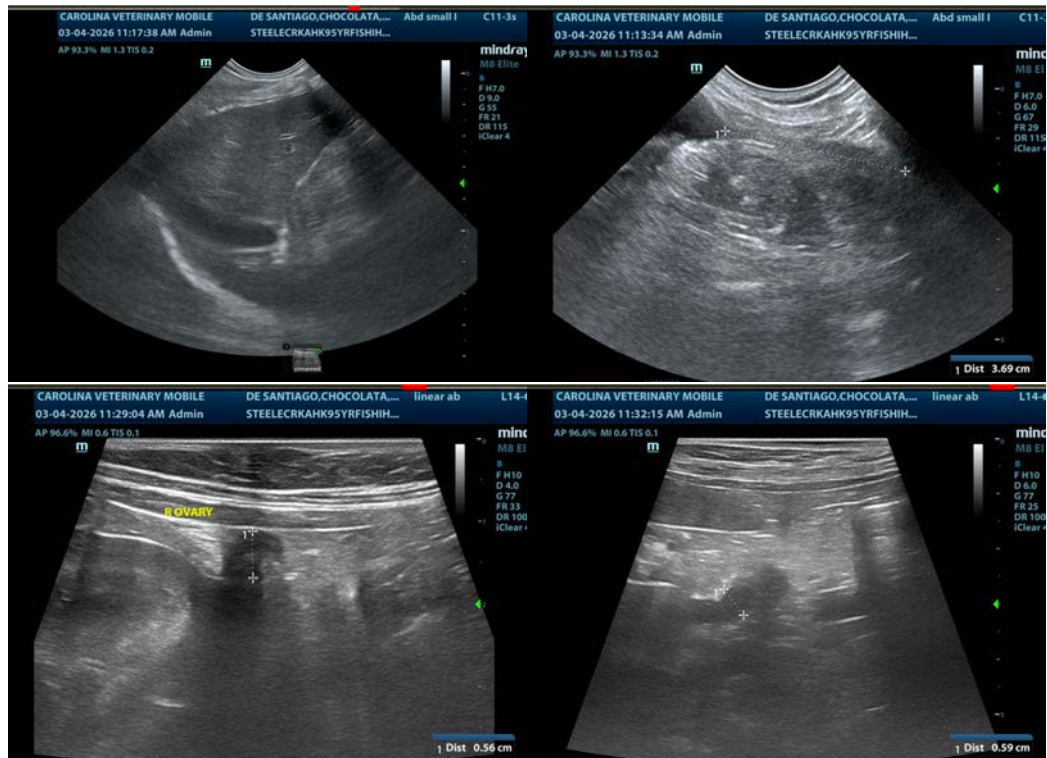
The right ovary measured 0.56 cm with minor cystic changes noted. Right uterine horn measured 0.60 cm. Left ovary measured 0.83 cm. Left uterine horn measured up to 0.73 cm.

ULTRASONOGRAPHIC FINDINGS

- Structurally normal liver, acute to subacute insult suspected.
- Normal reproductive tract. No evidence of significant pathology other than minor mucosal remodeling.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver indicated. Leptospirosis titers indicated.





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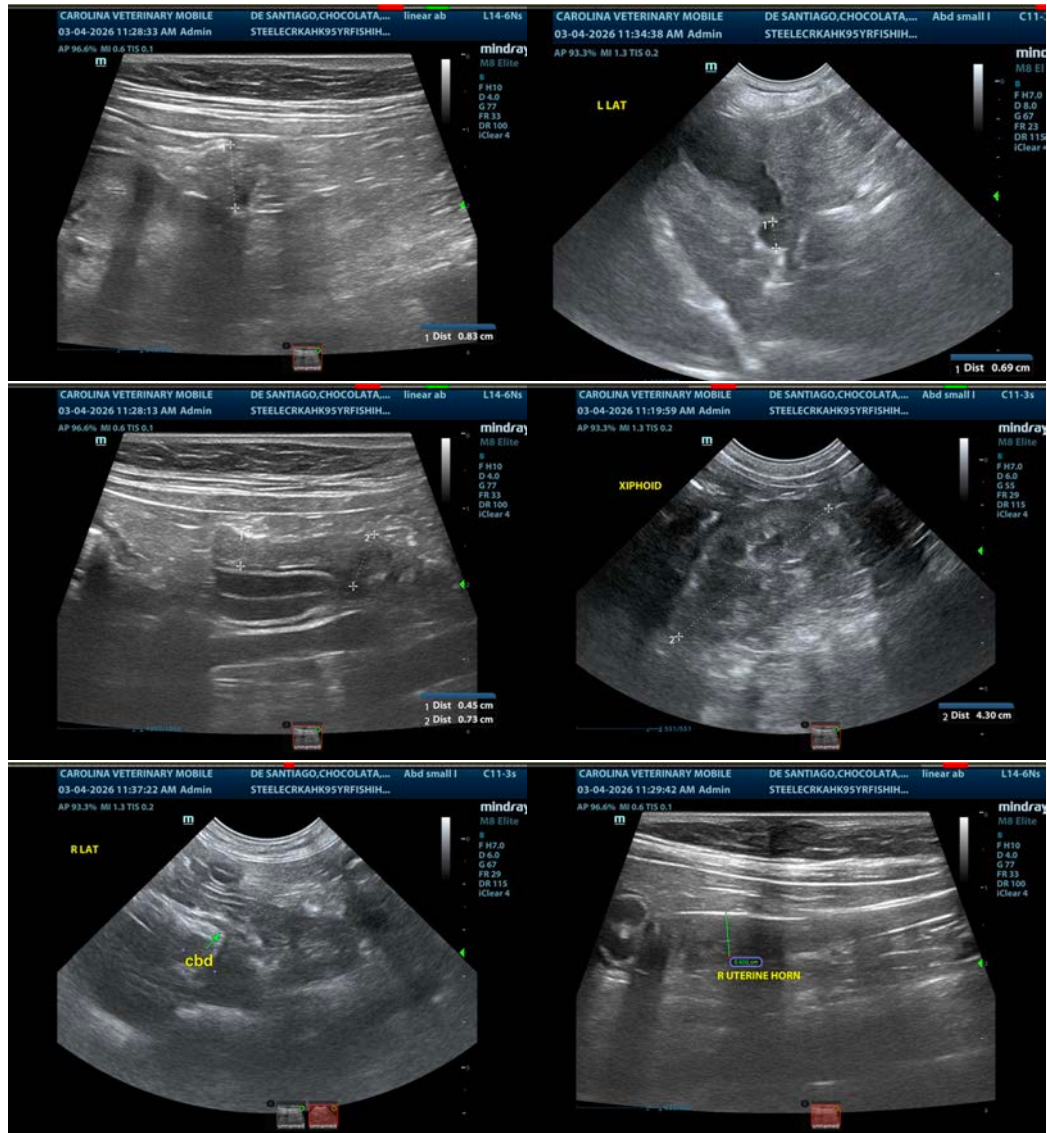
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,
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