

PATIENT

Ollie D'Souza

SPECIES

Canine

BREED

Doodle

SEX

Neutered Male

AGE

10 Years

WEIGHT

55 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Westoak Animal
Hospital

REFERRING VET

Dr. Brah

INVOICE

16399

DATE

05/21/26

PRESENTING CLINICAL SIGNS

Findings: presented May 20 for dribbling when urinating (taking 5-10mins for a full urination), drinking more, abdomen appears distended to owners. May 21 urinating is worsening, now grunting and painful while going. Current Medications: n/a

Primary Question to Be Answered in This Exam Why is he straining to urinate? What is the cause for the elevated liver enzymes? BW attached

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra to a depth of 3.0 cm 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 **residual prostate** was uniform measuring 1.0 cm.

The **iliac trifurcation** was unremarkable.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 7.7 cm in length. The right kidney measured 7.63 cm in length.

Adrenal Glands

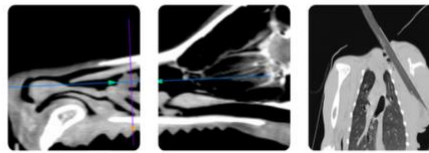
Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 3.27 cm x 0.61 cm width at the caudal pole and 0.49 cm width at the cranial pole. The right adrenal gland measured 2.31 cm x 1.7 cm width at the cranial pole and 0.98 cm width 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** revealed multifocal hyperechoic nodular changes with attenuating sound beam. The gallbladder and common bile duct were unremarkable. Diffuse hyperechoic parenchyma was noted throughout the liver consistent with vacuolar hepatopathy and nodular hyperplasia, however, separative hepatitis or occult neoplasia is possible.



PATIENT *Gastrointestinal*

Ollie D'Souza

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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Pancreas

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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.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

AGE

10 Years

- Age-related renal changes.
- Chronic inflammatory hepatopathy with nodular hyperplasia/ vacuolar hepatopathy pattern.
- Structurally normal lower urinary tract.
- Age-related abdominal changes otherwise.

WEIGHT

55 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasound guided FNA cytology of the general hepatic parenchyma and nodules is indicated.

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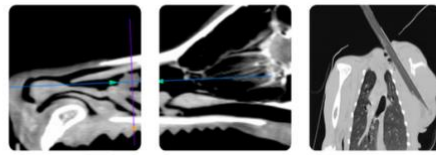
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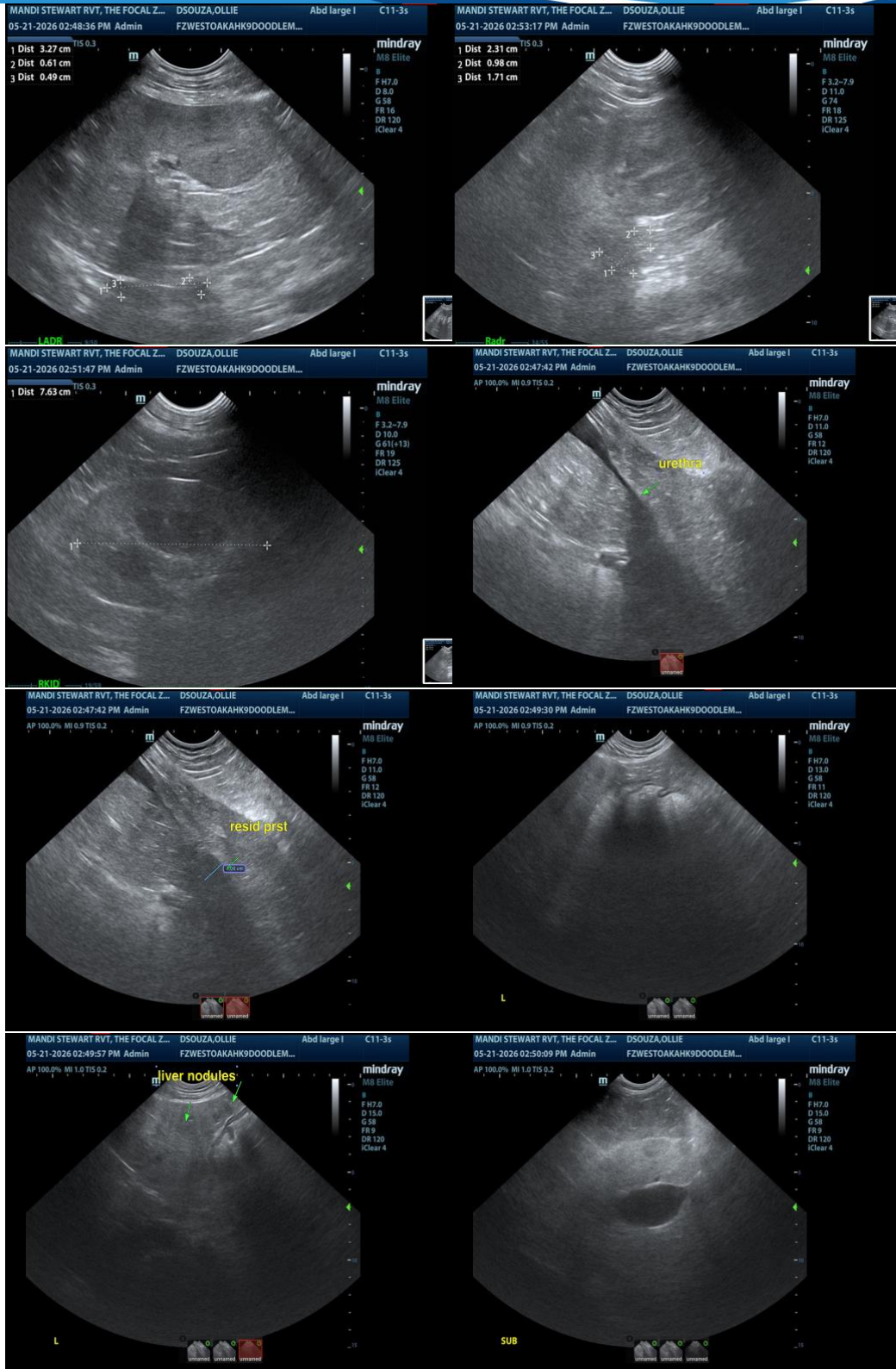
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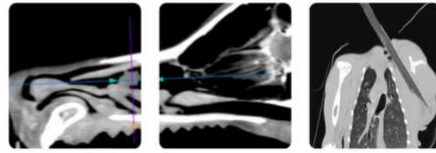
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

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