



PATIENT PRESENTING CLINICAL SIGNS

Zoe Hobbs very pale MM
Abnormal PE/Chem/CBC/UA Results: CBC/Biochem RBC $1.57 \times 10^{12}/L$ - LOW, HCT 12.1% - LOW, HGB 3.9g/dL - LOW, MCV 77.1 fL - high, WBC $26.72 \times 10^9/L$ - HIGH, NEU $19.47 \times 10^9/L$ - HIGH, MONO $3.73 \times 10^9/L$ - HIGH, EOS $0.04 \times 10^9/L$ - LOW, PLT $95 \text{ K}/\mu\text{L}$ - LOW, MPV 16.9 fL - HIGH, TP 36g/L - LOW, ALB 15g/L - LOW, GLOB 21g/L - LOW, ALT 186 U/L - HIGH, ALKP 333 U/L - HIGH

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Urinary System

Golden Retriever

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

Spayed Female

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.1 cm. The right kidney measured 8.2 cm.

AGE

10 Years

Adrenal Glands

WEIGHT

27.4 kg

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.59 cm at the cranial pole and 0.59 cm at the caudal pole. The right adrenal gland measured 0.79 cm at the caudal pole.

Spleen

INTERPRETED BY

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

The spleen presented generalized enlargement with reduced echogenicity and coarse echotexture. The capsule contour was rounded and asymmetrical or scalloped. Medial folding of the caudal spleen was present. A solitary, mildly expansive, hypoechoic nodule was noted in the mid to cranial spleen, measuring 2.2 cm in diameter. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

IMAGING PERFORMED BY

Kelly Reschny

Liver

HOSPITAL NAME

BPH Stoney Creek

The liver exhibited generalized moderate enlargement. Decreased hepatic parenchyma echogenicity was noted with moderate coarse echotexture. Asymmetrical hepatic contour noted in the caudal liver. No distinct hepatic masses or nodules. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Baskin

Gastrointestinal

INVOICE

25245

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

DATE

9/8/21



PATIENT *Pancreas*

Zoe Hobbs 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 was evident.

SPECIES *Free Abdomen*

Canine Generalized mildly reactive, primarily perihepatic to perisplenic omentum noted. Small pockets of scant free fluid were present.

BREED Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

Golden Retriever

SEX Splenomegaly with asymmetrical contour, generalized non-homogeneous parenchyma, and solitary mildly expansive nodule.

Spayed Female Hepatomegaly with asymmetrical caudal contour and decreased parenchyma echogenicity.

AGE Mild primarily perihepatic to perisplenic reactive mesentery and small pockets of scant peritoneal free fluid.

10 Years

SECONDARY FINDINGS

- Mild age related kidneys

WEIGHT

27.4 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although sampling is required for definitive diagnosis or further clarification, infiltrative hepatosplenic neoplasia is highly likely. Potential for benign etiologies (i.e., inflammatory or vacuolar hepatopathy), splenic hyperplasia, hematopoiesis, splenitis, etc. are possible, yet considered less likely. Potential for neoplasia associated (paraneoplastic) anemia and mild thrombocytopenia possible. Assuming normal clotting status, ultrasound guided hepatosplenic FNA using 25-gauge needle could be considered for cytology and potential oncology consult.

INTERPRETED BY

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DABVP (Canine and Feline)

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PATIENT

Zoe Hobbs

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

10 Years

WEIGHT

27.4 kg

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PATIENT

Zoe Hobbs

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.

SPECIES

Canine

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.

BREED

Golden Retriever

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

Spayed Female

AGE

10 Years

WEIGHT

27.4 kg

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