



PATIENT PRESENTING CLINICAL SIGNS

Riley Turner History: Vomiting, diarrhea, initially hyporexia, now anorexia, mild weight loss. Long history of mildly elevated ALT activity.

SPECIES Physical Examination: N/A.

Canine Urinalysis: SG 1.012, cystitis.

BREED CBC: Mild anemia, neutrophilia.

Serum Biochemistry: Elevated liver enzyme activity, mildly elevated globulins and bilirubin.

Radiographic Findings: N/A.

SEX

FS

AGE

10 years

WEIGHT

73.4 #

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal right pelvis and capsule. Left pyelectasia.

Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, size, and position.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted. Incidental myelolipomas.

Liver

Enlarged with a diffuse mottled and nodular echogenic appearance, irregular capsule, and prominent portal markings. Nodules are irregular, hypoechogenic, and parenchymal. Focal irregular hypoechogenic mass (3.7 cm) in the left lobe with a hyperechogenic appearance of the surrounding mesentery. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD, Dipl.
ECVIM

IMAGING PERFORMED BY

Dr Arms

HOSPITAL NAME

Gilbertsville Veterinary
Hospital

REFERRING VET

Dr Arms

INVOICE

303063

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PATIENT *Gastrointestinal*

Riley Turner Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall and peristaltic activity, and no distension of the lumen.

SPECIES *Pancreas*

Canine Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

BREED *Free Abdomen*

SEX No mesenteric lymphadenomegaly.
No ascites.

FS

ULTRASONOGRAPHIC FINDINGS

AGE Primary Findings:
10 years

- Nodular hepatopathy.
- Hepatic mass.
- Renal disease.

WEIGHT Secondary Findings:
73.4 #

INTERPRETED BY • None

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the liver would be hyperplasia, nodular regeneration, granulomatous disease, chronic hepatitis, and neoplasia. Etiologies for the hepatic mass would be large regenerative nodule, granuloma, and neoplasia.

Etiologies for the kidneys would be age-related denegation, early chronic kidney disease, pyelonephritis, and bacterial nephritis.

Further assessment would urine culture and FNA cytology of the liver and hepatic mass. Tru-Cut/wedge biopsy of the liver may, however, be required for a final etiological diagnosis.

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management of the liver would be ursodiol.

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PATIENT IMAGES

Riley Turner **Liver**

SPECIES

Canine

BREED

SEX

FS

AGE

10 years

WEIGHT

73.4 #

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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.

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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