



PATIENT PRESENTING CLINICAL SIGNS

Miles Denmead History: N/A.
Physical Examination: N/A.
SPECIES Urinalysis: N/A.
Canine CBC: N/A.
BREED Serum Biochemistry: Elevated ALP, ALT, and GGT activity.
Shih Tzu Mix Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

MN *Urinary System*

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

WEIGHT Normal trigone area, proximal urethra (0.5 cm), and iliac blood vessels.

19 # Normal iliac lymph nodes (1.4 cm). Ureters not visualized.

Normal renal size (left 4.4 cm, right 4.8 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, bilateral pyelectasia (both 0.2 cm), and normal capsule.

INTERPRETED BY *Reproductive System*

Small hypoechoic prostate (0.7 cm).

Adrenal Glands

Normal position, echogenic appearance, shape, and size. Left 0.65/0.48 cm, right 0.5/0.6 cm.

Spleen

Normal size (1.2 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Enlarged with rounded edges, increased echogenic appearance, some loss of portal marking, and regular curvilinear capsule. FNA taken with no obvious post aspirate hemorrhage. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.2 cm).

Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.34 cm, duodenum, jejunum 0.36 cm, colon 0.21 cm) and peristaltic activity, and no distension of the lumen.

DATE

12/28/22

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

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Lake Emma Animal Hospital

REFERRING VET

Dr Lesmes

INVOICE

303707



PATIENT *Pancreas*

Miles Denmead

Normal size (left 1.2 cm, right 1.4 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES

Free Abdomen

Canine

Normal mesenteric lymph nodes (0.2 x 2.7 cm).
No ascites.

BREED

Shih Tzu Mix

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

SEX

- Hepatopathy.
- Renal disease.

MN

Age

Secondary Findings:

8 years

- None.

WEIGHT

19 #

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the hepatopathy would be reactive, hyperplasia, vacuolar, metabolic, chronic hepatitis, and infiltrative neoplasia.

INTERPRETED BY

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

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Further assessment needs to be based on the pending cytology results but could include urinalysis and urine culture.

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be ursodiol.

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PATIENT

Miles Denmead

SPECIES

Canine

BREED

Shih Tzu Mix

SEX

MN

Age

8 years

WEIGHT

19 #

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IMAGES

Liver



Left kidney





PATIENT Right kidney

Miles Denmead

SPECIES

Canine

BREED

Shih Tzu Mix

SEX

MN

Age

8 years

WEIGHT

19 #



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 ECVIM

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.

IMAGING PERFORMED BY

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