



PATIENT PRESENTING CLINICAL SIGNS

Asher Ezelle History: Urolith, urinary bladder polyp/mass.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: Elevated liver enzyme activity and bile acids.

Collie Mix Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

MN *Urinary System*

Age Small urinary bladder with a thickened and irregular appearance of the wall. Normal anechoic urine with no sediment evident. Small uroliths present (0.6 cm).

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

Normal iliac lymph nodes (2.1 cm). Ureters not visualized.

Normal renal size (left 6.1 cm, right 6.4 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule. Mild bilateral pinpoint mineralization.

INTERPRETED BY *Reproductive System*

Small hypoechogenic prostate (0.9 cm).

IMAGING PERFORMED BY *Adrenal Glands*

Normal position and echogenic appearance with rounded shape and enlarged. Left 0.81/0.96 cm, right 0.77 cm. Bilateral hyperechogenic parenchymal nodules: 0.7 x 1 cm and 0.5 x 1.1 cm in the cranial and caudal pole of the left gland, respectively; and 1 x 2.1 cm in the right gland.

Spleen

Normal size (1.7 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No inflammatory, neoplastic, infarction, or infiltrative changes evident.

Liver

Enlarged with rounded edges, hyperechogenic appearance, loss of portal markings, and regular curvilinear capsule. Multiple parenchymal hypoechogenic nodules up to 2.8 x 3.9 cm in size. No masses evident. FNA taken with no obvious post aspirate hemorrhage.

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DATE

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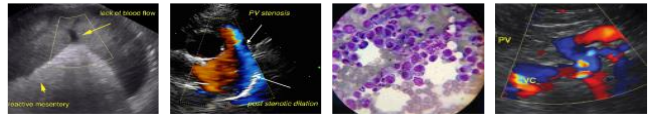
Sonya Myers, DVM

HOSPITAL NAME

Mount Dora Veterinary
Hospital

REFERRING VET

Dr Cena


PATIENT *Gall bladder*

Asher Ezelle

Full containing moderate amount of adhered and non-adhered hyperechogenic sediment with a stellate appearance. Normal thickness and echogenic appearance of the wall. Dilated bile duct (0.5 cm) with no obvious obstruction evident.

SPECIES

Canine

Gastrointestinal
BREED

Collie Mix

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.35 cm, duodenum 0.52 cm, jejunum 0.37 cm, colon 0.18 cm) and peristaltic activity, and no distension of the lumen. Large amount of ingesta within the stomach.

SEX
Pancreas

MN

Normal size (left 1.3 cm, right 1.5 cm) with a diffuse hyperechogenic appearance and irregular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Age

12 years

Free Abdomen

Normal mesenteric lymph nodes (1.7 cm).

WEIGHT

No ascites evident.

ULTRASONOGRAPHIC FINDINGS
INTERPRETED BY

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Primary Findings:

- Nodular hepatopathy.
- Nodular adrenomegaly.
- Mucocele.
- Chronic pancreatitis.
- Uroliths.

IMAGING PERFORMED BY

Sonya Myers, DVM

Secondary Findings:

- Age-related renal changes.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the nodular hepatopathy would be nodular hyperplasia, chronic hepatitis, granulomatous disease, and infiltrative neoplasia.

Etiologies for the adrenomegaly would be disease stress and pituitary-dependent Cushing's disease.

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Etiologies for the adrenal nodules would be nodular hyperplasia, functional/non-functional adenomas, and emerging neoplasia.

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The appearance of the urinary bladder wall can be ascribed to the uroliths with cystitis a differential diagnosis.



PATIENT

Asher Ezelle

Further assessment needs to be based on the pending cytology results but could include urinalysis, urine culture, cPL/PSL assay, and adrenal function testing (ACTH stimulation/LDDS test). Tru-Cut/wedge biopsy of the liver may be required for a final etiological diagnosis.

SPECIES

Canine

Specific therapy would be dependent on an etiological diagnosis. Therapy for the mucocele would either be elective cholecystectomy or ursodiol with regular monitoring of liver enzyme activity and bilirubin.

BREED

Collie Mix

IMAGES

Left adrenal

SEX

MIN

Age

12 years

WEIGHT



INTERPRETED BY

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Liver

IMAGING PERFORMED BY

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PATIENT Gall bladder

Asher Ezelle

SPECIES

Canine

BREED

Collie Mix

SEX

MN

Age

12 years

WEIGHT



Pancreas

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PATIENT Urinary bladder

Asher Ezelle

SPECIES

Canine

BREED

Collie Mix

SEX

MN

Age

12 years

WEIGHT



INTERPRETED BY

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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.

IMAGING PERFORMED BY

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