



PATIENT PRESENTING CLINICAL SIGNS

Coco Bitner History: Increased thirst, excessive panting, restlessness and decreased appetite. Progressive proteinuria.

SPECIES Physical Examination: N/A.

Canine Urinalysis: SG 1.038, UPC 0.9.

BREED Previous CBC: Neutrophilia, monocytosis.

Standard Poodle Previous serum Biochemistry: Mildly elevated ALT and GGT activity.

Radiographic Findings: N/A.

SEX

FS

AGE

12 years

WEIGHT

64 #

INTERPRETED BY

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MMedVet (Med), PhD,
Dipl. ECVIM

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and appearance 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 (7.2 cm, right 5.7 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, size, and position. Left 2.21 x 0.63/0.63 cm, right 2.21 cm.

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Spleen

N/A – previous splenectomy.

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Dr Jennifer Todd

Liver

Normal size with a mottled and coarse echogenic appearance and some loss of portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

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Gastrointestinal

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

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PATIENT *Pancreas*

Coco Bitner Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine No mesenteric lymphadenomegaly.
No ascites.

BREED

Standard Poodle

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Hepatopathy.

Secondary Findings:

- Age-related renal changes.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Etiologies for the hepatopathy would be age-related changes, vacuolar, reactive, early nodular regeneration, early cirrhosis, chronic hepatitis; with infiltrative neoplasia an unlikely differential diagnosis.

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Although the appearance of the kidneys may merely be an age-related change with the progressive proteinuria hypertensive nephropathy, early chronic kidney disease, and primary glomerulonephritis needs to be considered.

Further assessment would be blood pressure, SDMA, and FNA cytology of the liver. Renal biopsy can also be considered.

IMAGING PERFORMED BY

Dr Jennifer Todd

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management of the hepatopathy would be ursodiol. Trial course of ACE inhibitors/receptor blockers can be considered for the proteinuria.

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PATIENT IMAGES

Coco Bitner **Liver**

SPECIES

Canine

BREED

Standard Poodle

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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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