



**PATIENT PRESENTING CLINICAL SIGNS**

**Buster Monier** History: Polydipsia.  
Physical Examination: Distended abdomen.  
**SPECIES** Urinalysis: SG 1.006.  
Canine CBC: N/A.  
**BREED** Serum Biochemistry: Elevated liver enzyme activity.  
Beagle Mix Radiographic Findings: Left renomegaly.

**SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**MN Urinary System**

**Age** Full urinary bladder with a normal thickness and appearance of the wall. Small amount of hyperechogenic sediment. Small urolith (0.5 cm).  
8 years

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

50 # Normal iliac lymph nodes (2 cm). Ureters not visualized.

Normal size of the right kidney (6.1 cm) and enlarged left kidney (7.3 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule and right pelvis. Left pyelectasia (0.2 cm).

**INTERPRETED BY**

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**Reproductive System**

Prostamegaly (2.2 x 4.7 cm) with diffuse hypoechoic appearance and an irregular capsule.

**IMAGING PERFORMED BY**

Sonya Myers, DVM

**Adrenal Glands**

Normal shape, echogenic appearance, and position. Normal size of right gland (0.52/0.59 cm), enlarged left gland (0.76/0.62 cm).

**HOSPITAL NAME**

Palm Coast Pet Clinic

**Spleen**

Normal size (1.6 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**REFERRING VET**

Dr Sheffield

**Liver**

**INVOICE**

303401

Normal size with a mottled echogenic appearance, some loss of portal markings, and regular curvilinear capsule. No nodules evident. Focal isoechogenic parenchymal mass (1.5 x 2.2 cm) in the right lobe. Two anechoic cysts (0.6 and 0.9 cm) in the right lobe. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.2 cm).

**DATE**

9/16/22



**PATIENT** *Gastrointestinal*

Buster Monier Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.42, jejunum 0.31 cm) and peristaltic activity, and no distension of the lumen.

**SPECIES**

Canine

*Pancreas*

Normal size (1 cm) with a hyperechogenic appearance and irregular capsule. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

**BREED**

Beagle Mix

*Free Abdomen*

Normal mesenteric lymph nodes (3.2 cm).  
No ascites.

**SEX**

MN

**Age**

8 years

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Hepatopathy.
- Hepatic nodule.
- Prostategaly.
- Renal disease.
- Pancreatic fibrosis.
- Left adrenomegaly.

Secondary Findings:

- Urolith.
- Hepatic cysts.

**WEIGHT**

50 #

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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

Etiologies for the hepatic nodule would be granuloma, nodular hyperplasia, hematoma, and neoplasia.

The appearance of the prostate is consistent with neoplasia, with prostatitis a differential diagnosis.

Etiologies for the renal disease would be early chronic kidney disease, acute kidney injury, bacterial nephritis, and pyelonephritis.

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The appearance of the pancreas is consistent with fibrosis, with chronic pancreatitis a differential diagnosis.

The most likely etiology for the left adrenal would be disease stress with emerging Cushing's disease a differential diagnosis.



**PATIENT**

Further assessment would be urine culture, cPL/PSL assay, catheter assisted aspirate of the prostate, and FNA cytology of the liver and hepatic mass

Buster Monier

Specific therapy would be dependent on an etiological diagnosis.

**SPECIES**

Canine

**IMAGES**

**BREED**

**Pancreas**

Beagle Mix

**SEX**

MN

**Age**

8 years

**WEIGHT**

50 #

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**Liver**

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**HOSPITAL NAME**

Palm Coast Pet Clinic

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**PATIENT Prostate**

Buster Monier

**SPECIES**

Canine

**BREED**

Beagle Mix

**SEX**

MN

**Age**

8 years

**WEIGHT**

50 #

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**Urinary bladder**



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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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