



PATIENT

Griffin Pence

PRESENTING CLINICAL SIGNS

History: Hair loss and thinning, wanted to r/o endocrine issues (cushings, testicular cancer)
Abnormal PE/Chem/CBC/UA Results: bloodwork WNL

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder and visible portion of the pelvic urethra are normal for the degree of luminal distension. The urine is anechoic with no evidence of debris. Cystic calculi and discrete masses are not observed.

BREED

Mini Poodle

The prostate is enlarged (2.50 cm in width) with smooth curvilinear peripheral contours. The parenchyma is mildly hyperechoic relative to surrounding omental fat and subtly heterogeneous in appearance. The prostatic urethra is not overtly dilated.

SEX

Male

The left kidney is normal in size (4.95 cm in length) with a normal shape, smooth peripheral margins and normal internal architecture. The cortex is isoechoic relative to the spleen. There is mild to moderate loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal.

AGE

11 Yrs.

The right kidney is normal size (xxx cm in length) with a normal shape, smooth peripheral margins and normal internal architecture. The cortex is isoechoic relative to the spleen. There is mild to moderate loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

14.7 lbs.

Adrenal Glands

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

The left adrenal gland is mildly enlarged (1.05 cm at cranial pole) (0.67 cm at caudal pole) with a prominent cranial pole and normal peripheral contours at the caudal pole. The glandular echogenicity and detail are unremarkable. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is mildly enlarged (1.23 cm at cranial pole) (0.67 cm at caudal pole); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Ashley Whitesell

Spleen

The spleen is normal in size (1.71 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

HOSPITAL NAME

Dickson AC

Liver

The liver is subjectively enlarged with swollen peripheral contours. The parenchyma is isoechoic relative to the spleen. A 0.50 cm ill-defined hypoechoic nodule is observed on the left side. The remaining parenchyma is homogeneous. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The wall is normal in thickness. 1-2 small polypoid like lesions are arising from the luminal surface. A moderate amount of aggregated, echogenic to mineralized sludge is observed within the lumen. The cystic and common bile ducts are normal/not seen.

REFERRING VET

Dr. Hovis

INVOICE

14909

Gastrointestinal

DATE

5/9/23



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The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

SPECIES

Canine

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

BREED

Mini Poodle

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

SEX

Male

Other

AGE

11 Yrs.

The left testicle is subjectively normal in size (2.10 x 0.91 cm) with normal curvilinear peripheral contours and homogeneous parenchyma. The right testicle is subjectively normal in size (2.25 x 1.39 cm). The parenchyma is subtly mottled in appearance. No distinct focal lesions are observed.

WEIGHT

14.7 lbs.

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- The mild bilateral adrenomegaly could be consistent with pituitary-dependent hyperadrenocorticism, normal variation, other.

Secondary Findings:

- Bilateral, chronic renal changes with dystrophic mineralization.
- The hepatic parenchymal changes are most consistent with a benign hepatopathy (i.e., vacuolar) with a lower possibility of inflammatory disease or infiltrative neoplasia. The hypoechoic hepatic nodule trends toward the benign (i.e., regenerative nodule), inflammatory focus with a lower possibility of an emerging tumor.
- The right testicular parenchymal changes are most consistent with age-related remodeling.
- Gallbladder sludge- non-mucocele.
- The prostate changes are most consistent with benign prostatic hyperplasia.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Consider further workup for Cushing's disease (i.e., low-dose Dexamethasone suppression test or ACTH stimulation test).
- Given the alopecia, a T4/free T4 by equilibrium dialysis should also be considered.
- Also consider castration to help reduce the risk of prostatitis in the future.

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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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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Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com

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