



PATIENT

Pepper Fox

SPECIES

Canine

BREED

Cocker Spaniel

SEX

MN

AGE

9 years

WEIGHT

41.2 lbs.

INTERPRETED BY

R. McKenzie Daniel, DVM,
 DABVP (Canine and Feline)

**IMAGING
 PERFORMED BY**

Pamela Harrigan, RDMS

HOSPITAL NAME

Littleton AH

REFERRING VET

Dawn Brooks, DVM

INVOICE

16196

DATE

2/16/23

PRESENTING CLINICAL SIGNS

Pepper seen for bi-annual wellness and lipoma noted. Owner concerned if it has penetrated the abdominal cavity. Was told by DVM that does not occur, but req AUS to confirm. HX of skin issues. Abnormal PE/Chem/CBC/UA Results: ALP 291 (5-160).

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

A solitary medial iliac lymph node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The lymph node measured 2.5 cm x 1.0 cm. The lymph node was not consistent with inflammatory or neoplastic criteria and considered incidental.

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.85 cm in diameter.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.8 cm in length. The right kidney measured 4.9 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.47 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.48 cm width at the caudal pole and 0.41 cm width at the cranial pole.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver/ Gallbladder

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. A solitary, discrete, uniform mildly



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hyperechoic intraparenchymal nodule was present in the caudal liver measuring 0.60 cm in diameter. The nodule was consistent with minor focal nodular hyperplasia or small lipogranuloma. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion.

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The gallbladder was non-distended in size containing anechoic content with mild to moderate nonorganized echogenic gallbladder debris. The cystic and common bile ducts were normal.

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Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material.

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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

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Pancreas

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

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Free Abdomen

No omental masses, lymphadenopathy, or evidence of peritoneal effusion were noted. A solitary, uniform, subjective ventral subcutaneous mass consistent with fat echogenicity / lipoma was present measuring approximately 6.0 cm in diameter. The mass did not appear to invade the abdominal cavity with subjective intact regional body wall.

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 DABVP (Canine and Feline)

ULTRASONOGRAPHIC FINDINGS

- Non-invasive subcutaneous lipoma
- Mild age-related kidneys
- Benign hepatopathy with discrete benign intraparenchymal nodule - suggestive of vacuolar hepatopathy pattern with minor nodular hyperplasia or lipogranuloma
- Gallbladder debris - not consistent with mucocele criteria

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.

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No overt suspicion of primary adrenal disease unless clinical signs consistent with Cushing's Syndrome are present.

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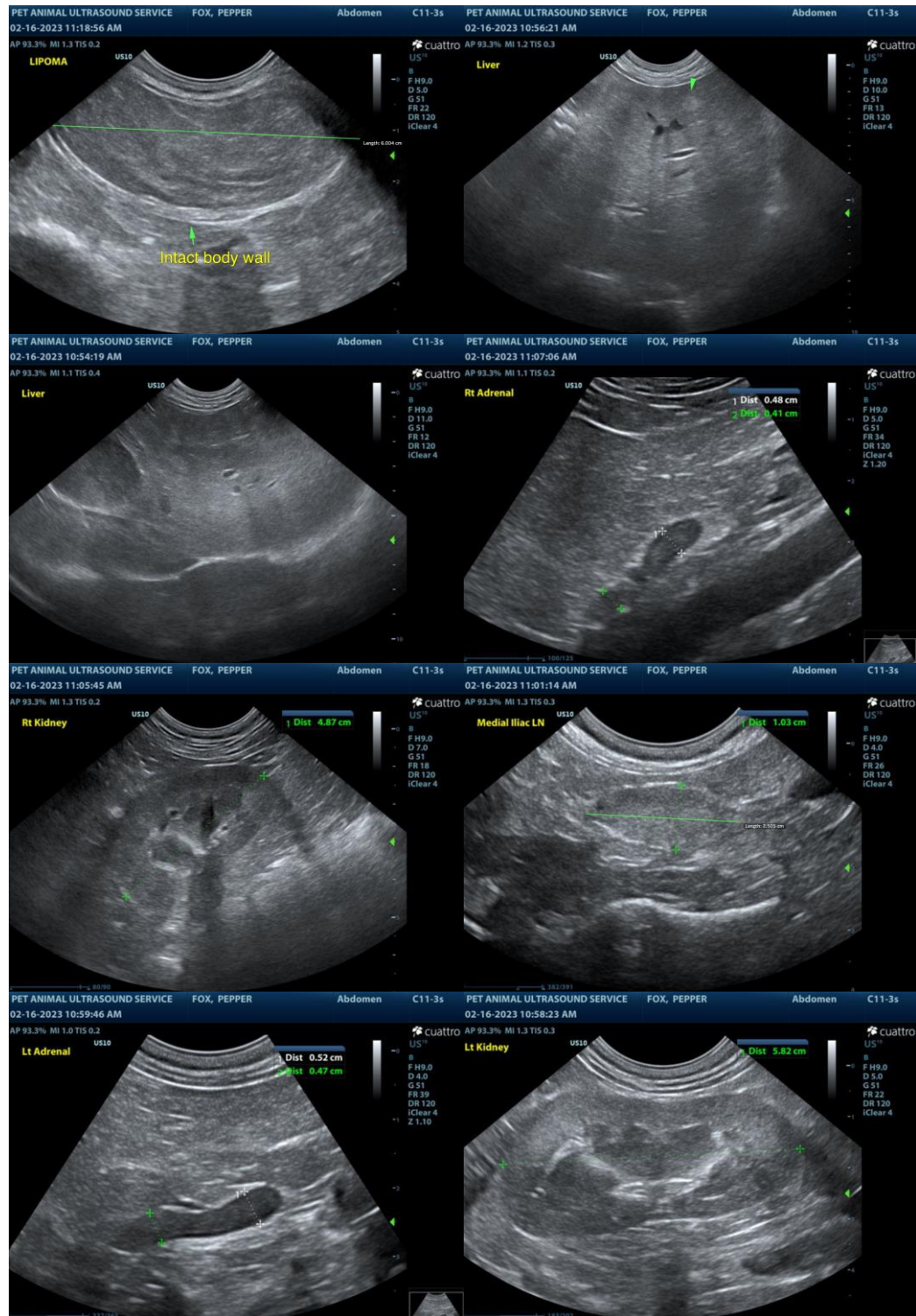
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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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info@SonoPath.com

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