



PATIENT PRESENTING CLINICAL SIGNS

Spice Mitchell History: Known Cushing's disease. Pre-dental - assess liver. Normal bile acids.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine Urinary System

Canine

BREED

Dachshund Mix

SEX

Spayed Female

AGE

10 Years

WEIGHT

14 kg

Urinary System
The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 were noted.

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. Pinpoint medullary mineral present in both kidneys. The left kidney measured 5.8 cm in length. The right kidney measured 6.0 cm in length.

Adrenal Glands

Both adrenal glands were mildly prominent in size, exhibiting symmetrical capsule contour and subtle nonhomogeneous parenchyma. The left adrenal gland measured 0.79 cm width at the caudal pole and 0.72 cm width at the cranial pole. The right adrenal gland measured 0.79 cm width at the caudal pole and 0.63 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

The liver revealed generalized enlargement with symmetrical to mildly swollen hepatic contour. Mild generalized increased hepatic parenchyma echogenicity, exhibiting uniform to mild coarse echotexture. No masses or nodules noted.

The gallbladder was non-distended in size. The gallbladder walls were overtly normal without evidence of inflammatory changes. Anechoic content was present with mild nondependent yet nonorganized luminal debris, exhibiting subtle striated appearance. No evidence of peripheral gallbladder inflammation. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild echogenic, non-shadowing ingesta/chyme without signs of obstruction or foreign material.

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.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dave Stasiuk,
RDMS, RDMS

HOSPITAL NAME

Resolution VU, LTD

REFERRING VET

Dr. Atal Bahadur

INVOICE

14814

DATE

4/18/22



PATIENT

Pancreas

Spice Mitchell

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 was evident.

SPECIES

Canine

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

BREED

Dachshund Mix

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed Female

Primary Findings

- Benign hepatopathy
- Gallbladder debris- possible very early mucocele
- Bilateral mildly prominent adrenal glands- consistent with pituitary dependent hyperadrenocorticism given the patients history
- Mild chronic renal changes

AGE

10 Years

Secondary Findings

- Gastric ingesta- likely postprandial presentation

WEIGHT

14 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

Although nonspecific, overall liver is consistent with benign hepatopathy/hepatomegaly, suggestive of metabolic vacuolar or steroid hepatopathy given the patients history. Potential for inflammatory hepatopathy possible yet thought less likely with no evidence of neoplastic criteria.

No anesthetic contraindications given the normal bile acids and assuming normal BUN, cholesterol, albumin and glucose levels.

IMAGING PERFORMED BY

Dave Stasiuk,
RDMS, RDCS

Hepatosupportive medications, including Denamarin and ursodiol, if not currently instituted, are recommended with monitoring for evidence of increasing cholestasis.

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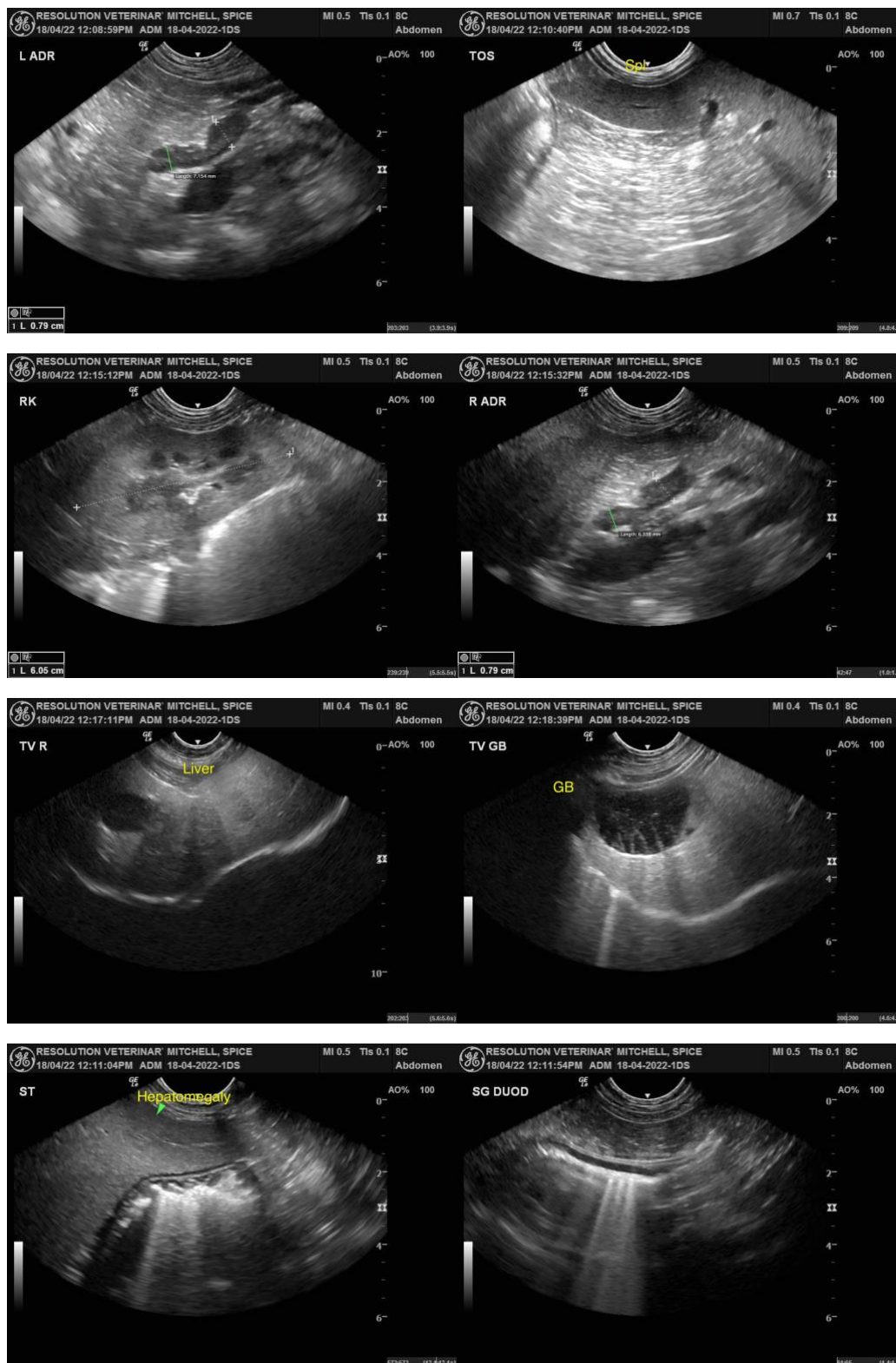
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



PATIENT

Spice Mitchell

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.

SPECIES

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info@SonoPath.com

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