



PATIENT PRESENTING CLINICAL SIGNS

Tater Bott Elevated SDMA and BUN, Crea WNL, mild PD, possible organomegaly on palpation.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SPECIES
Urinary System

Canine The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths, sediment, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

BREED
Shih Tzu The residual prostate was free of pathology.
SEX
MN The area of the aortic trifurcation was free of pathology.

AGE
2011 Normal size and asymmetrical margination were present in the kidneys. Subtle cortical hypertrophy was present with intermittent, small to discrete cortical cysts. Moderate loss of corticomedullary border demarcation was present with nonuniform hyperechoic medullary echogenicity with pinpoint dystrophic medullary mineral. No pyelectasia was noted. The left kidney measured 3.3 cm in length. The right kidney measured 3.7 cm in length.

WEIGHT
Adrenal Glands

17.5 The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.7 cm length x 0.56 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.2 cm length x 0.50 cm width at the caudal pole.

INTERPRETED BY

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

Spleen

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. A mildly nonuniform, nondisruptive, hyperechoic nodule was present in the medial spleen adjacent to the hilus measuring 0.56 cm diameter. 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 or neoplastic changes were not noted. The echogenic nodules tend to trend benign and are most consistent with benign hyperplasia or myelolipomas.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

Liver/ Gallbladder

The liver presented subjective mild enlargement. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. 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. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

HOSPITAL NAME

Lehigh Valley AH
(Allen)

REFERRING VET

Dr. Meyer

INVOICE

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PATIENT *Gastrointestinal*

Tater Bott 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.

SPECIES 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.

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

BREED *Pancreas*

Shih Tzu The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

SEX *Free Abdomen*

MN No overt lymphadenopathy or peritoneal effusion was present.

AGE **ULTRASONOGRAPHIC FINDINGS**

2011 *Primary Findings*

- WEIGHT** 17.5
- Bilateral chronic renal changes exhibiting nonuniform medullary hyperechogenicity and pinpoint dystrophic medullary mineral
 - Mild subjective benign hepatomegaly
 - Pancreatic remodeling - suspect age or benign remodeling, potential for low-grade pancreatitis if previous history or clinical signs suggestive of pancreatitis

INTERPRETED BY

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

Secondary Findings

- Benign splenic nodule - consistent with benign myelolipoma

IMAGING PERFORMED BY

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ARDMS/RVT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Largely geriatric abdomen without evidence of significant visceral pathology.

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Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. Early CRD therapy with continued monitoring of renal parameters and urinalysis is suggested.

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The mild hepatomegaly is likely incidental given the lack of hepatic enzyme elevations. Potential for emerging benign vacuolar hepatopathy pattern. No evidence of intraabdominal neoplastic criteria was noted.

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PATIENT

Tater Bott

SPECIES

Canine

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.

BREED

Shih Tzu

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.

SEX

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

MN

AGE

2011

WEIGHT

17.5

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