


PATIENT PRESENTING CLINICAL SIGNS

Olive Phillips Presented in Feb 2023 for UTI. After being treated 2 X with antibiotics she continues to strain while urinating. At times only produces a small amount of urine but she will continue to strain. Novolexin 250mgBID

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Rads done Mar 7, 2023 RT lateral showed solitary round slightly radio-opaque shadow in bladder

BREED

Fox Terrier Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

Overtly normal ventral, apical and dorsal urinary bladder walls extending caudally into the area of the trigone and bladder neck were present. Thickened urinary bladder neck wall exhibiting mild non-homogenous mural echogenicity and potential pinpoint hyperechoic mural foci was present. The thickened bladder walls potentially extend into the proximal urethra yet did not appear to be obstructive to urine outflow. The urinary bladder neck mass measured 1.6 cm x 1.5 cm. Anechoic urine was present in the lumen with minor non-dependent particulate sediment. The sediment may indicate cellular debris / protein, crystalline debris, lipid, or mucus.

SEX

FS

AGE

11yr

Normal renal size with asymmetrical margination was present in both kidneys. The renal cortex presented uniformly increased in echogenicity with uniform echotexture. The renal cortex appeared to be hypertrophied resulting in an altered cortex: medulla ratio. Mild loss of corticomedullary distinction was also present. The renal medullary volume was subjectively reduced. The left kidney measured 4.8 cm in length. The right kidney measured 5.0 cm in length.

WEIGHT

28.5lb

The area of the aortic trifurcation was free of pathology.

INTERPRETED BY

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

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy.

Adrenal Glands

The left adrenal gland was normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.9 cm length and 0.55 cm width in the caudal pole.

IMAGING PERFORMED BY

Crystal Hill

The right adrenal gland was mildly enlarged with intact capsule and mild non-homogenous non-mineralized parenchyma. No overt evidence of vascular invasion. The right adrenal gland measured 2.2 cm length and 1.2 cm width in the caudal pole.

HOSPITAL NAME

Animal Health Services

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.

REFERRING VET

Dr. Toles

INVOICE

13168ag

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. 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

DATE

03/14/2023



PATIENT

Olive Phillips

congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

SPECIES

Canine

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.

BREED

Fox Terrier Mix

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.

Pancreas

SEX

FS

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.

AGE

11yr

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

28.5lb

- Urinary bladder neck mass potentially extending into the proximal urethra.
- Non-distended urinary bladder with minor particulate sediment.
- Bilateral chronic renal changes.
- Mildly enlarged non-homogenous right adrenal gland-nonspecific.

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Sonographically the urinary bladder neck mass is most concerning for neoplastic criteria, i.e. transitional cell carcinoma or other with non-neoplastic etiologies considered less likely. No overt evidence of regional metastasis. A screening BRAF assay is recommended. Biopsy would be required for a definitive diagnosis. No evidence of left/right ureteral involvement or obstruction.

IMAGING PERFORMED BY

Crystal Hill

The mildly enlarged right adrenal gland may indicate benign hyperplasia or adenomatous change with potential for emerging neoplastic criteria. A screening BP is advised to assess for evidence of hypertension which may allude to emerging adrenal neoplastic criteria i.e., pheochromocytoma.

HOSPITAL NAME

Animal Health Services

Empirically a piroxicam or similar trial, as needed analgesia and sonographic monitoring of the urinary bladder neck and right adrenal gland for evidence fo progressive pathology could be considered.

REFERRING VET

Dr. Toles

INVOICE

13168ag

DATE

03/14/2023



PATIENT

Olive Phillips

SPECIES

Canine

BREED

Fox Terrier Mix

SEX

FS

AGE

11yr

WEIGHT

28.5lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Animal Health Services

REFERRING VET

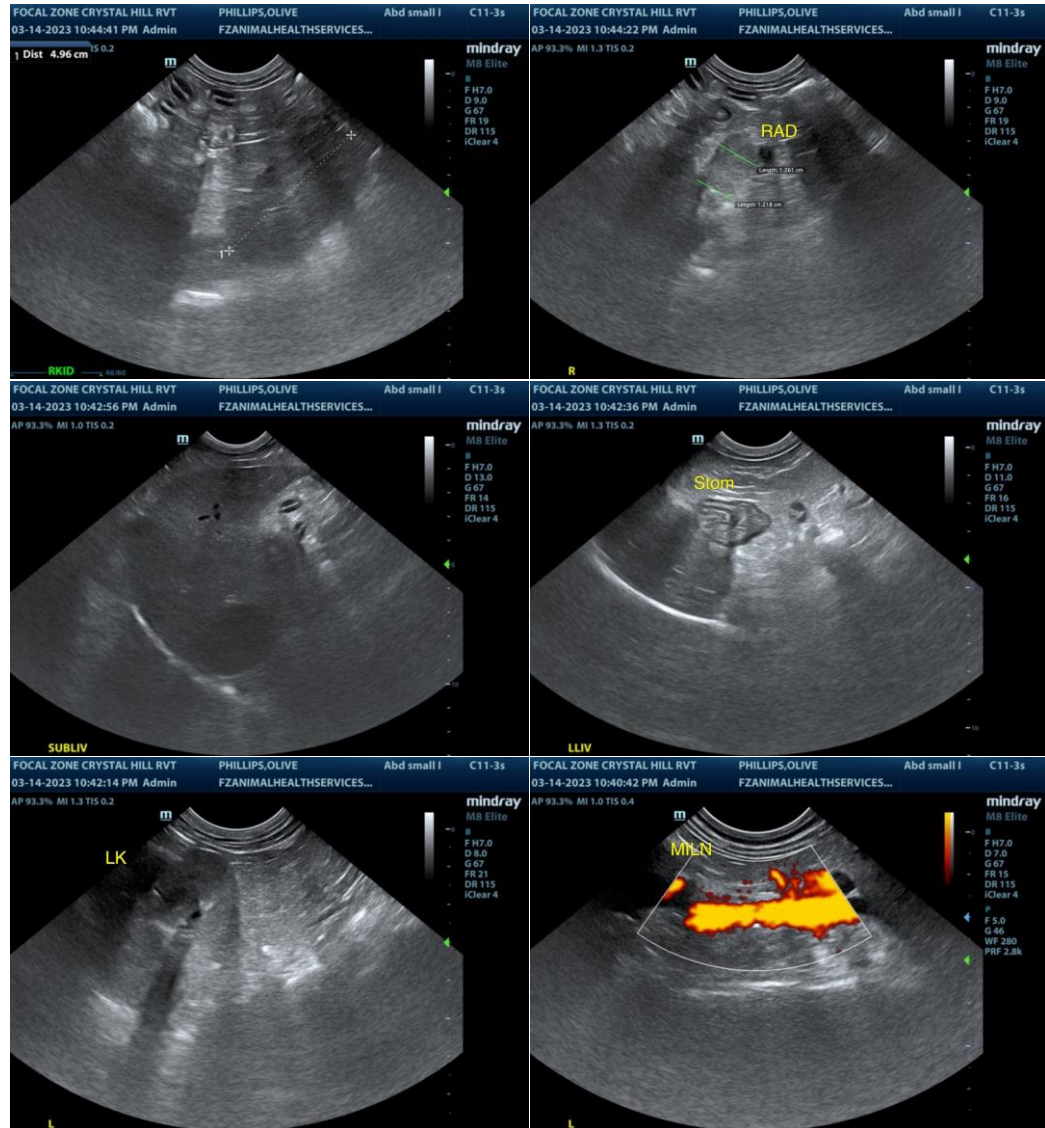
Dr. Toles

INVOICE

13168ag

DATE

03/14/2023





PATIENT

Olive Phillips

SPECIES

Canine

BREED

Fox Terrier Mix

SEX

FS

AGE

11yr

WEIGHT

28.5lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Animal Health Services

REFERRING VET

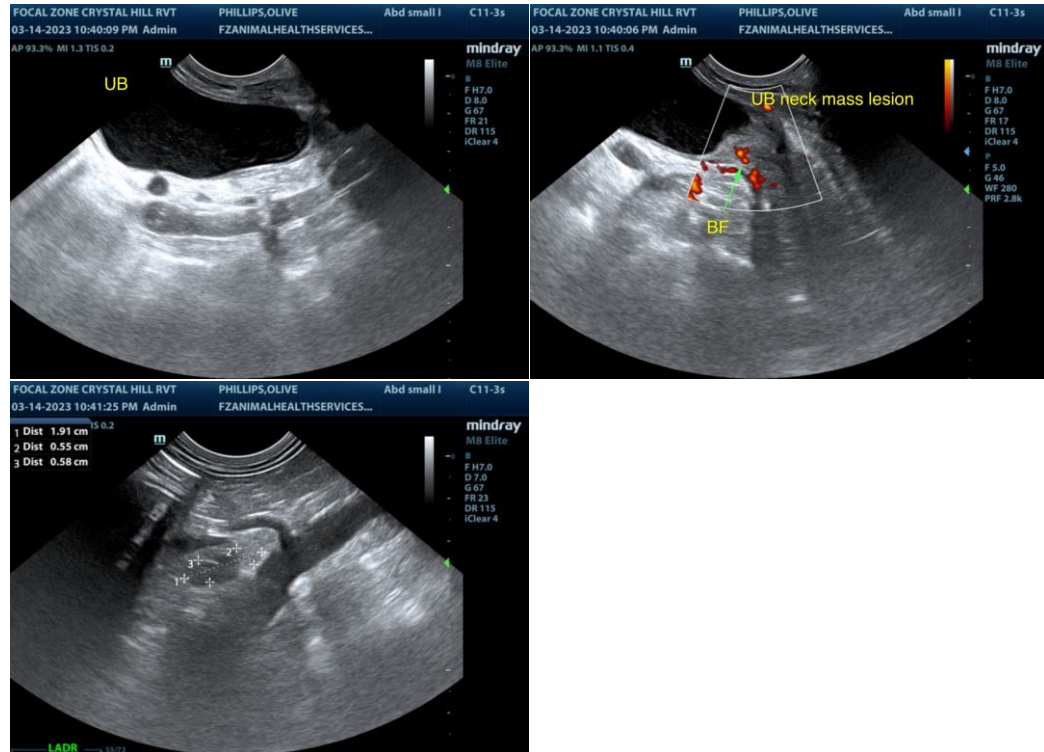
Dr. Toles

INVOICE

13168ag

DATE

03/14/2023



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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com