



PATIENT

Hoseki Hurlburt

SPECIES

Canine

BREED

German Shepherd

SEX

Male

AGE

22 weeks

WEIGHT

40 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Clare Slagel

INVOICE

13441

DATE

2/25/22

PRESENTING CLINICAL SIGNS

11/23/21: Hoseki presents for possible UTI, dribbling red urine at home. PU/PD. Urinalysis: USG 1.024, pH 5.0, WBC/RBC, rods & cocci. Treated with cephalixin x 15 days 12/15/22: Recheck UTI that was improving but now getting worse and PU/PD Urinalysis (Antech Culture) USG 1.010, pH 7.5, (rods 10-25) E.coli 100,000 colonies/ mL Rx: AmoxClav x 20 days BID 1/17/2022: PU/PD - owner thinks he is dribbling Urinalysis (Antech Culture): USG 1.027, pH 8.0, E.coli 100,000 colonies/mL Rx: SMZ/TMP 480mg Tablet; 1.25 tablet SID x 27 tablets

Abnormal PE/Chem/CBC/UA Results: Bloodwork: Creat, BUN, Phos all WNL Concern for ectopic ureter

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder was overall normal in size and tone. The urinary bladder walls were sonographically unremarkable without evidence of inflammatory criteria. Anechoic urine was present without sediment or calculi. No evidence of a urachal remnant was noted. A small tubular structure noted ventral to the colon and dorsal to the area of the cystourethral junction appearing to bypass the area of the ureteral papilla extending caudally into the area of the cystourethral junction or potential proximal urethra measuring 0.18 cm in diameter, was visualized.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. Both kidneys exhibited adequate corticomedullary border demarcation with subtle mild nonuniform variably echogenic left and right renal cortex. Both kidneys exhibited mild pyelectasia with potential for mild increased pelvic parenchyma echogenicity. No evidence of retroperitoneal inflammation or effusion was noted. The left kidney measured 9.1 cm in length. The right kidney measured 8.4 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 2.0 cm length x 0.26 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 3.6 cm length x 0.48 cm width at the caudal pole.

Spleen

The spleen exhibited subjective mild generalized enlargement with 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 was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were

**PATIENT**

Hoseki Hurlburt

normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and 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.

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.

BREED

German Shepherd

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

Pancreas**SEX**

Male

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.

AGE

22 weeks

Free Abdomen

Intermittent mesenteric nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). These lymph nodes are not consistent with inflammatory or neoplastic criteria and are likely incidental or suggestive of Immunologic immaturity. No peritoneal effusion was present.

WEIGHT

40 lbs.

ULTRASONOGRAPHIC FINDINGS**INTERPRETED BY**

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

- Suspect probable small ectopic ureter
- Bilateral normal renal size, adequate corticomedullary border demarcation, and mild pyelectasia
- Mild splenomegaly - nonspecific
- Sonographically unremarkable liver

IMAGING PERFORMED BY

Sarah Pender, CVT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**HOSPITAL NAME**

SVS Imaging QC

The small tubular structure noted dorsal to the area of the cystourethral junction appearing to extend caudally past the level of the ureteral papilla was not obviously consistent with vasculature and highly suspicious of ectopic ureter. This tubular structure was fairly small in subjective size. However, given the patient's history and clinical signs, ectopic ureter potentially associated with either the left or the right ureter is suspected. Further confirmation may include contrast urography, cystoscopy if available, or CT as Gold Standard. Potential for secondary low-grade left or right pyelonephritis cannot be excluded.

REFERRING VET

Dr. Clare Slagel

INVOICE

13441

Ideally, based on Urine culture and sensitivity results, a higher dose shorter frequency antibiotic regime may prove more effective at eliminating infection if recurrent UTI is noted. Referral for further assessment may be in this patient's best interest.

DATE

2/25/22

IMAGING PERFORMED BY

svs.com | 800-333-3070



PATIENT

Hoseki Hurlburt

SPECIES

Canine

BREED

German Shepherd

SEX

Male

AGE

22 weeks

WEIGHT

40 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

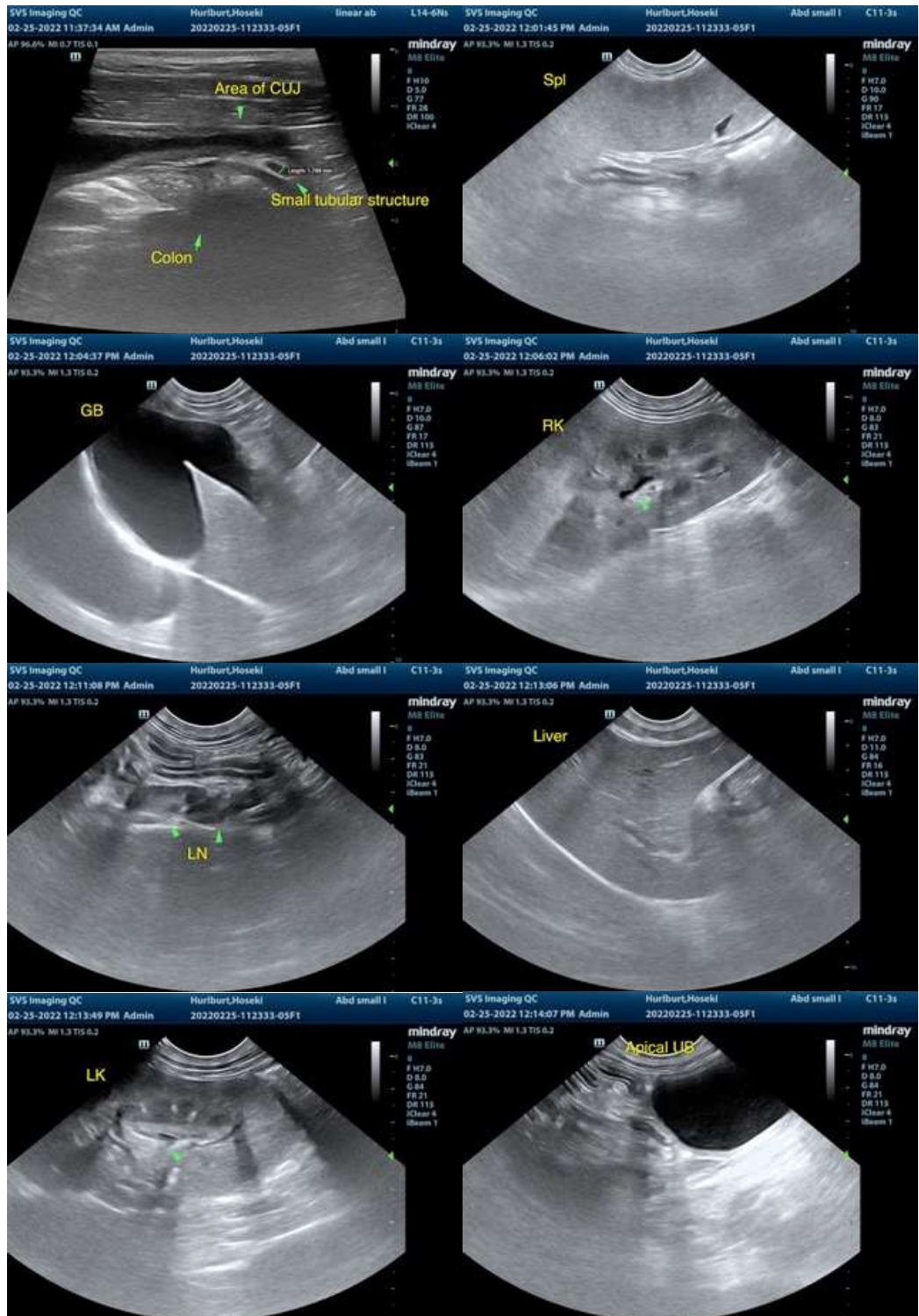
Dr. Clare Slagel

INVOICE

13441

DATE

2/25/22



IMAGING PERFORMED BY

svs.com 309-333-3070



PATIENT

Hoseki Hurlburt

SPECIES

Canine

BREED

German Shepherd

SEX

Male

AGE

22 weeks

WEIGHT

40 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

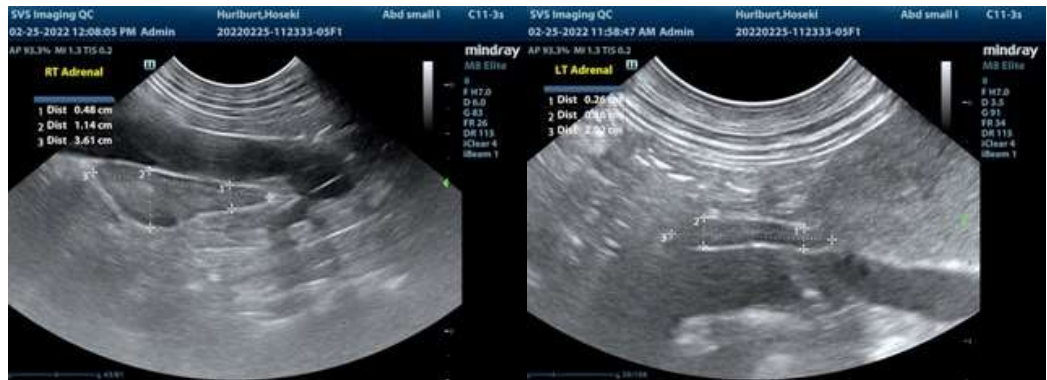
Dr. Clare Slagel

INVOICE

13441

DATE

2/25/22



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