

PATIENT PRESENTING CLINICAL SIGNS

Werner Heitman Presented for lethargy and ADR. Diagnosed with renal disease on lab work (creatinine 11; BUN 99; normal potassium). High normal BP (140 mmHg). Responded to maintenance fluids, unasyn and currently SQ fluids and renal diet.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

DSH

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.

SEX

Neutered Male

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. Small cortical cysts present in both kidneys. Minor pyelectasia present in both kidneys. Both kidneys were contained in variably sized large anechoic cyst-like cavities, consistent with perinephric pseudocyst. This was more prominent in the left kidney. The left kidney itself measured 4.6 cm in length. The left kidney perinephric pseudocyst measured approximately 6.5 cm diameter. The right kidney measured 4.2 cm length. The pseudocyst associated with the right kidney measured approximately 6.0 cm in diameter.

AGE

11 Years

WEIGHT

10 Pounds

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.43 cm in width. No overt pathology in the area of the right adrenal gland.

INTERPRETED BY

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

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. The spleen measured 0.95 cm in width.

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The common bile duct was normal.

HOSPITAL NAME

Wood River AH

REFERRING VET

Dr. Leah Fischer

Gastrointestinal

INVOICE

24869

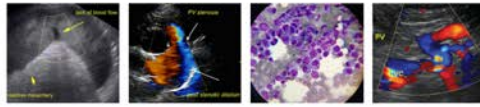
The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

DATE

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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.



PATIENT *Pancreas*

Werner Heitman

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

Feline

Free Abdomen

Mild, subjectively acellular peritoneal free fluid noted primarily in the mid to caudal abdomen with mild associated reactive mesentery. No evidence of concurrent lymphadenopathy.

BREED

DSH

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered Male

- Bilateral chronic interstitial nephrosis with small cortical cysts, minor pyelectasia, and associated perinephric pseudocysts – changes more prominent in the left kidney.
- Concurrent mild peritoneal free fluid

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

11 Years

The appearance of the bilateral kidneys, although non-specific, is suggestive of probable chronic interstitial nephritis, given the presence of bilateral perinephric pseudocysts. Without evidence of gastrointestinal, pancreatic, hepatic or splenic pathology and assuming normal albumin levels, an obvious etiology of the concurrent peritoneal free fluid was not apparent. Potential impaired venous or lymphatic drainage possibly owing renal parenchymal contraction owing to interstitial nephritis and the perinephric pseudocyst is possible, although not definitive.

WEIGHT

10 Pounds

Correlation with peritoneal free fluid analysis +/- cytology and culture and sensitivity (if clinically indicated) may be considered. Potential percutaneous drainage of the perinephric pseudocyst may be considered to offer temporary relief to the kidneys. However, the pseudocysts are likely to refill in unknown to variable timeframe. Therapy for chronic renal disease and monitoring of systemic blood pressure would be appropriate.

INTERPRETED BY

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 DABVP (Canine and Feline)

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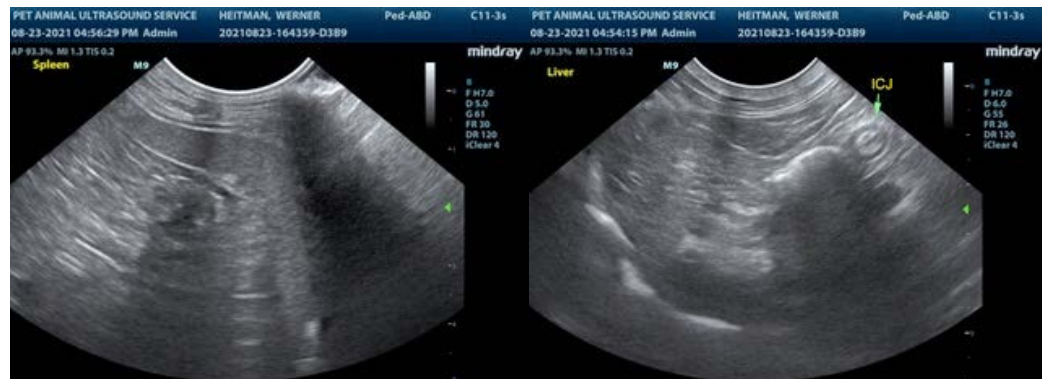
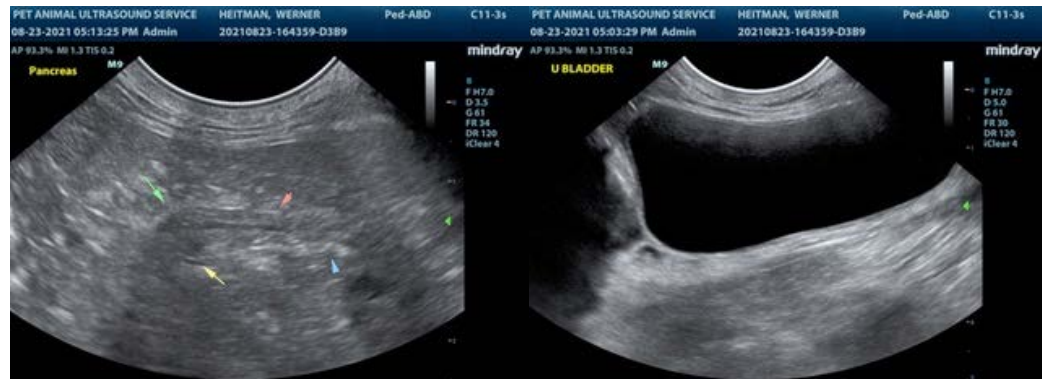
Dr. Leah Fischer

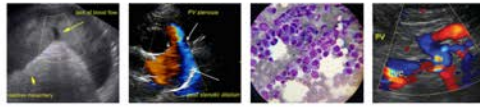
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PATIENT

Werner Heitman

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.

SPECIES

Feline

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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Neutered Male

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