



PATIENT

Harley Marano

PRESENTING CLINICAL SIGNS

PU/PD, having urinary accidents during sleep. Elevated kidney and protein in UA
Abnormal PE/Chem/CBC/UA Results: BUN 52, CREAT 2.3. UA protein 2+ SG 1.016

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Yorkie Poodle

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

SEX

Spayed Female

The left kidney has a normal shape and size (2.84 cm). Overall echogenicity is slightly hyperechoic with significantly decreased corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. Cortical cysts and significant pyelectasia noted (0.36 cm) There is no evidence of nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

AGE

5 Years

The right kidney has a normal shape and size (3.51 cm). Overall echogenicity is slightly hyperechoic with significantly decreased corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. Pyelectasia noted at 0.3 cm. There is no evidence of nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

10.4

Adrenal Glands

The left adrenal gland is normal/subjectively small in size measuring 0.36 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

The right adrenal gland is normal/borderline small in size measuring 0.37 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

IMAGING PERFORMED BY

JK

Spleen

The spleen is subjectively normal in size, echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

HOSPITAL NAME

Hamburg Vet Clinic

Liver

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

REFERRING VET

Dr. DenHeyer

The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are primarily anechoic. The cystic and common bile ducts are normal/not visible.

INVOICE

25432

Gastrointestinal

The stomach is moderately dilated with fluid and irregular shadowing material most consistent with normal ingesta and gas. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layering is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

DATE

9/15/21



PATIENT

Harley Marano

SPECIES

Canine

BREED

Yorkie Poodle

SEX

Spayed Female

AGE

5 Years

WEIGHT

10.4

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

JK

HOSPITAL NAME

Hamburg Vet Clinic

REFERRING VET

Dr. DenHeyer

INVOICE

25432

DATE

9/15/21

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

Free Abdomen

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

PRIMARY FINDINGS

- Decreased corticomedullary distinction in both kidneys with bilateral pyelectasia – Mild loss of corticomedullary distinction in both kidneys could be consistent with chronic degenerative disease or interstitial nephrosis. Pyelectasia of the left/right kidney could be consistent with pyelonephritis, chronic renal disease, secondary to PU/PD or fluid therapy (if applicable), other.

SECONDARY FINDINGS

- Borderline small adrenals – These are likely normal for such a small dog, but recommend testing for Addison's disease.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Both kidneys appear abnormal with reduced corticomedullary distinction and pyelectasia. Findings could be consistent with congenital or chronic kidney disease and possible pyelonephritis. Recommend urinalysis culture to guide antibiotic therapy. If culture is negative, I still would consider 4 weeks of broad-spectrum antibiotic therapy, as some cases of pyelonephritis do not culture positive. Recommend blood pressure evaluation. Recommend screening for Addison's disease with ACTH stimulation test.





PATIENT

Harley Marano

SPECIES

Canine

BREED

Yorkie Poodle

SEX

Spayed Female

AGE

5 Years

WEIGHT

10.4

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

JK

HOSPITAL NAME

Hamburg Vet Clinic

REFERRING VET

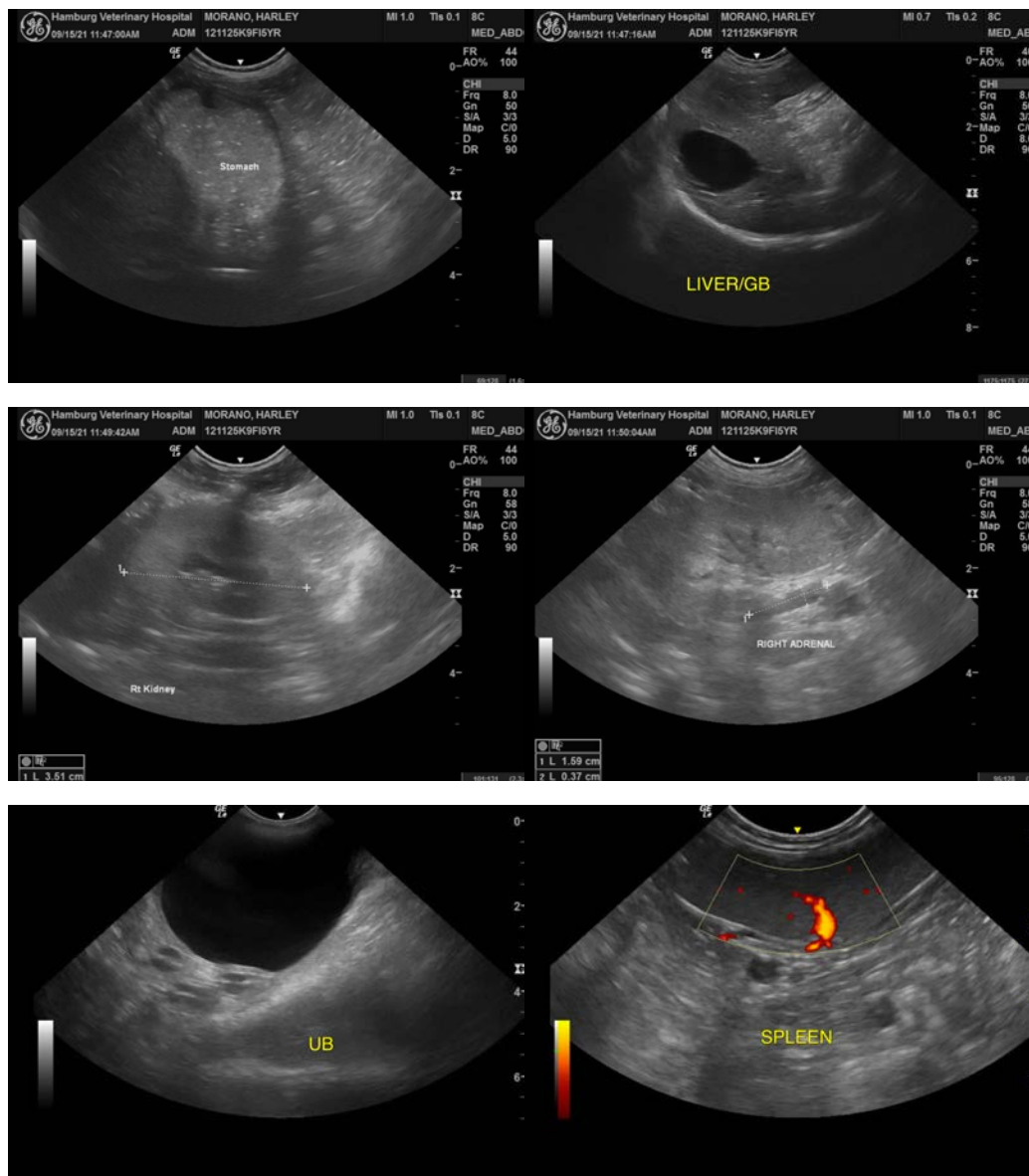
Dr. DenHeyer

INVOICE

25432

DATE

9/15/21



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.

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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)
kathleen.sennello@sonopath.com