



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Charlie Klinot
2 weeks ago owners noted perianal mass, left side, approx 3.5 cm. Non-painful at time of scan. Initial sample was a yellowish fluid.

SPECIES Canine
Abnormal PE/Chem/CBC/UA Results: Mild ALT and ALP elevation.

BREED Chihuahua
ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is mildly to moderately distended with anechoic urine. The Bladder wall is diffusely mildly thickened (0.24 cm), and the mucosa is mildly irregular. The trigone, ureteral papillae, and visible urethra (to a depth of 2cm) appear normal with no evidence of severe mucosal irregularities, masses or cystic calculi. Findings are most consistent with bacterial cystitis or lack of urine distension. Recommend urinalysis and culture.

The prostate is normal in size (0.45 cm) and shape for this neutered male dog. The parenchyma is homogenous and the external margins are smooth. The prostatic urethra appears normal with no evidence of irregularity, invasion, mass effect or calculi.

The left kidney has a normal shape and size (4.2 cm). Overall echogenicity is slightly hyperechoic with poor corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney has a normal shape and size (4.29 cm). Overall echogenicity is slightly hyperechoic with poor corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal in size measuring 0.56 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.

The right adrenal gland is normal in size measuring 0.56 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.

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.

Liver

The liver is normal in size but slightly irregular. The parenchyma is heterogenous in echotexture with subtle, indistinct focal mottling. The visible portions of the vasculature and biliary tract appear normal.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Sarah Barthelemy

HOSPITAL NAME

Alpine 24 Hr Pet
Hospital

REFERRING VET

Alpine 24 Hr Pet
Hospital

INVOICE

44519

DATE

8/9/23



PATIENT

There is a poorly defined isoechoic nodular region in the ventral right aspect of the liver measuring 1.79 cm x 2.53 cm.

Charlie Klinot

SPECIES

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

Canine

Gastrointestinal

BREED

The stomach contains minimal luminal contents. 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 layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

Chihuahua

SEX

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. Duodenum wall measures 0.43 cm. Jejunum wall measures 0.37 cm. Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

Neutered Male

AGE

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.

10 Years

WEIGHT

Pancreas

5.6 kg

The area of 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.

INTERPRETED BY

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

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.

IMAGING PERFORMED BY

Dr. Sarah Barthelemy

Other

There is a large, left-sided perianal mass, which is evaluated. This lesion appears cystic with some amorphous intraluminal material. It measures approximately 3.67 cm x 3.13 cm. No association with the urinary bladder or prostate is visualized.

HOSPITAL NAME

Alpine 24 Hr Pet
Hospital

PRIMARY FINDINGS

REFERRING VET

Alpine 24 Hr Pet
Hospital

- Mildly thickened/irregular urinary bladder wall – The bladder mucosal changes could be consistent with cystitis or artifactual due to lack of adequate luminal distension. Bladder neoplasia cannot be ruled out but is considered unlikely in this patient.
- Heterogeneous liver with an occasional ill-defined isoechoic nodules– The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, nodular hyperplasia, inflammatory/immune-mediated disease, fibrosis, extramedullary hematopoiesis, toxic hepatopathy (e.g., copper), infiltrative neoplasia (less likely) or other hepatopathy. The nodule observed has minimal criteria for malignancy but continued monitoring/sampling may be warranted.

INVOICE

44519

DATE

8/9/23



PATIENT

Charlie Klinot

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered Male

AGE

10 Years

WEIGHT

5.6 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Sarah Barthelemy

HOSPITAL NAME

Alpine 24 Hr Pet
Hospital

REFERRING VET

Alpine 24 Hr Pet
Hospital

INVOICE

44519

DATE

8/9/23

- Large, cystic left-sided perianal mass – An association with the urinary bladder or prostate is not clearly visualized. Primary differential would be a perianal adenoma/carcinoma.

SECONDARY FINDINGS

- Mildly reduced corticomedullary distinction in both kidneys – The bilateral renal findings are consistent with age-related change.

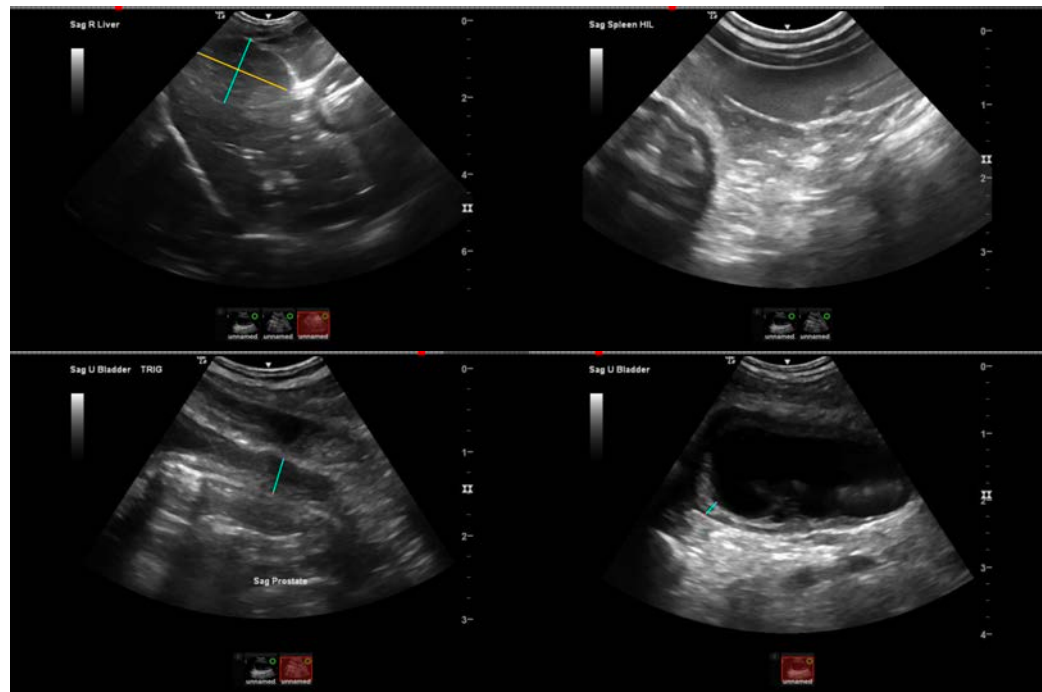
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The urinary bladder wall appears slightly irregular and thickened. I suspect much of this is due to lack of urine distention. Correlate these findings with a urinalysis +/- urine culture.

The liver parenchyma is slightly irregular and heterogeneous with occasional subtle ill-defined hypo- and isoechoic nodules. On the right ventral aspect of the liver there is an ill-defined isoechoic nodule along the periphery. Options moving forward would include a fine needle aspirate of this lesion or continued monitoring with ultrasound.

There is a large, cystic mass lesion on the left side in the perianal region. An obvious communication with the urinary bladder or prostate is not readily observed, making a perineal hernia much less likely. Consider a fine needle aspirate (I believe this has been done and results are pending) and likely surgical excision with caution due to the size and the possible association with nearby structures.

Recommend three view thoracic radiographs to evaluate for possible concurrent thoracic disease/involvement.





PATIENT

Charlie Klinot

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered Male

AGE

10 Years

WEIGHT

5.6 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Sarah Barthelemy

HOSPITAL NAME

Alpine 24 Hr Pet
Hospital

REFERRING VET

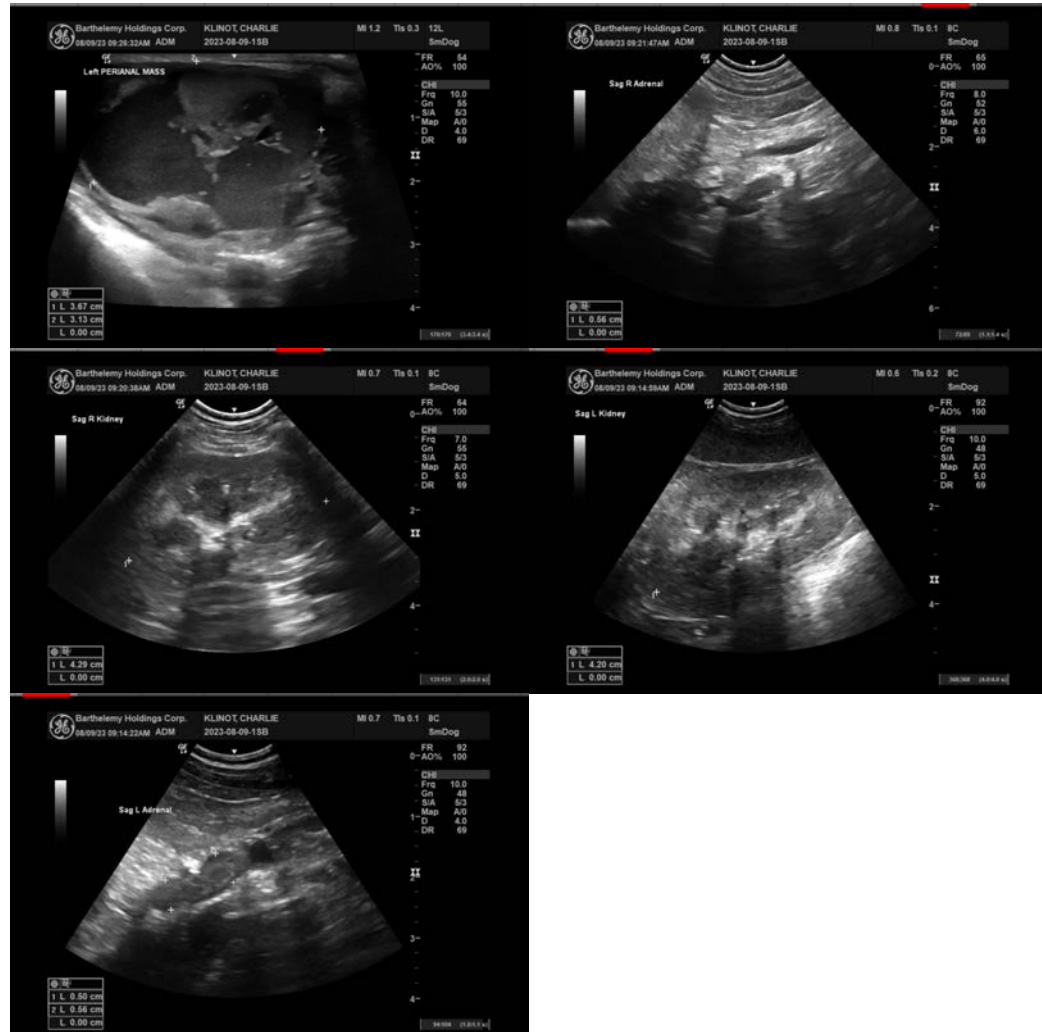
Alpine 24 Hr Pet
Hospital

INVOICE

44519

DATE

8/9/23



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.

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

info@sonopath.com