



PATIENT

Chi Beck

SPECIES

Canine

BREED

Pomeranian

SEX

Female, spayed

AGE

7 Yrs.

WEIGHT

3.95 kg.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

Dr. Brian Barnes

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Brian Barnes

INVOICE

13820

DATE

8/15/22

PRESENTING CLINICAL SIGNS

History: Problem List: 1) Hematuria of undetermined origin. (Feb, 2022) Has been good with no hematuria after treated with antibiotics DDX: 1) Occult pyelonephritis 2) Trauma bladder or renal 3) Idiopathic Renal hematuria 4) CRF R/O 5) UTI unlikely 6) Renal /bladder stones R/O 7) Clotting disorder unlikely 8) ITP R/O 9) Neoplasia R/O
Abnormal PE/Chem/CBC/UA Results: Doing well, No hematuria recently, R/C AUS

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder lumen is mildly to moderately distended. A scant amount of suspended echogenic debris is observed within the lumen. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 1-2 cm, are normal.

The left kidney is normal size (2.98 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is hyperechoic. There is a normal 1:3 cortex to medulla ratio with mild to moderate loss of corticomedullary distinction. A few non-obstructive nephroliths are visualized. There is no evidence of pyelectasia, infarcts or hydroureter.

The right kidney is normal size (3.58 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is hyperechoic. There is a normal 1:3 cortex to medulla ratio with mild to moderate loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.50 cm at cranial pole) (0.53 cm at caudal pole) (1.55 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (0.62 cm at cranial pole) (0.50 cm at caudal pole) (1.41 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (1.31 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The portal vein: caudal vena cava ratio is approximately 1:1. The gall bladder lumen is moderately distended. The wall is thin and



PATIENT

Chi Beck

smooth. A small to moderate amount of aggregated echogenic partially dependent sludge is observed within the lumen. The cystic and common bile ducts are normal/not seen.

Gastrointestinal

SPECIES

Canine

The gastric lumen is not distended. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

BREED

Pomeranian

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

SEX

Female, spayed

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

AGE

7 Yrs.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

3.95 kg.

Primary Findings:

- Bilateral chronic degenerative renal changes with non-obstructive nephrocalcinosis.

Secondary Findings:

- The gallbladder sludge may be secondary to cholestasis, fasting or a developing mucocele.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Baseline labwork including a CBC chemistry panel, urinalysis and T4 is recommended to assess overall metabolic function.
- Given the sonographic changes, serial monitoring of the patient's renal values may be warranted to assess for the development of azotemia.
- Regarding the gallbladder changes, consider a recheck ultrasound of the gallbladder in 2-3 months, preferably 1-2 hours post meal (to allow for gallbladder contraction).

IMAGING PERFORMED BY

Dr. Brian Barnes

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Brian Barnes

INVOICE

13820

DATE

8/15/22



PATIENT

Chi Beck

SPECIES

Canine

BREED

Pomeranian

SEX

Female, spayed

AGE

7 Yrs.

WEIGHT

3.95 kg.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Dr. Brian Barnes

HOSPITAL NAME

Westview VH

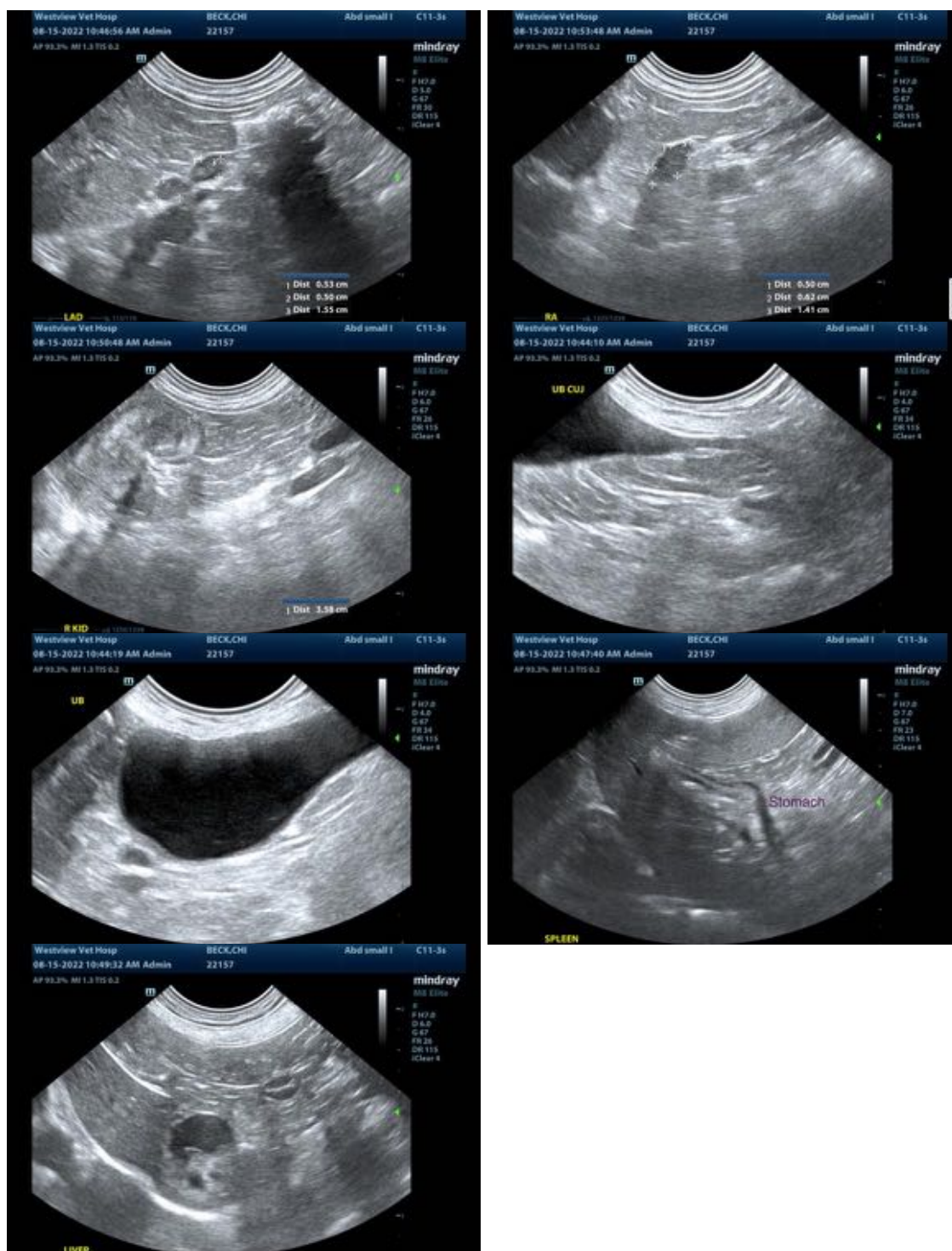
REFERRING VET

Dr. Brian Barnes

INVOICE

13820

DATE
8/15/22



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.



PATIENT

Chi Beck

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com

SPECIES

Canine

BREED

Pomeranian

SEX

Female, spayed

AGE

7 Yrs.

WEIGHT

3.95 kg.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

**IMAGING
PERFORMED BY**

Dr. Brian Barnes

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Brian Barnes

INVOICE

13820

DATE

8/15/22