


PATIENT

Luna Turpin

PRESENTING CLINICAL SIGNS

History: Attending DVM: Dr. Elizabeth McGill DVM Ultrasound Requested: abdominal especially of the urinary tract History: recurrent cystitis, culture : E.coli and Proteus mirabilis. Currently no meds.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: U/A: persistent hematuria, pyuria, bacteriuria (rods),

BREED

Samoyed

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

 The **urinary bladder** wall is mildly to moderately distended. The wall in the region of the apex is borderline thickened (up to 0.28 cm) with a slightly irregular mucosal surface. A scant amount of echogenic debris is suspended within the lumen. No cystic calculi are observed. The region of the trigone and the proximal urethra, visible to a depth of 2-3 cm, are normal.

SEX

Intact Female

 The **left kidney** is normal size (4.66 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

AGE

5 mos

 The **right kidney** is normal size (5.40 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

21.6 lbs

Adrenal Glands

 The **left adrenal gland** is normal size (0.42 cm at cranial pole) (0.34 cm at caudal pole) (1.45 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.

INTERPRETED BY

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

 The **right adrenal gland** is normal size (1.19 cm at cranial pole) (0.50 cm at caudal pole) (1.64 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.

IMAGING PERFORMED BY

Crystal Hill

Spleen

 The **spleen** is normal in size (1.27 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.

HOSPITAL NAME

Martindale AC

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.

REFERRING VET

Dr. McGill

 The **gall bladder** is distended. The wall is normal in thickness. Luminal contents are anechoic. The cystic and common bile ducts are normal.

INVOICE

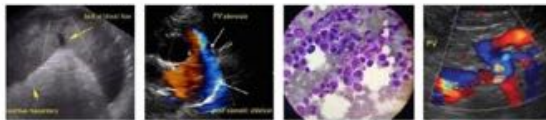
11560

Gastrointestinal

 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. Discrete masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.

DATE

9.1.22



PATIENT

Luna Turpin

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.

SPECIES

Canine

Free Abdomen

The **peritoneal cavity** is normal. There is no evidence of inflammation or effusion. Several prominent mesenteric **lymph nodes** are visualized, the largest measuring 3.06 cm in length.

BREED

Samoyed

Other

The uterine body is visible and is normal in size (0.55 cm in width). No obvious pathology is observed.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- The urinary bladder wall changes are suggestive of mild cystitis.
- The abdominal lymphadenopathy could be consistent with immunologic immaturity, reactive lymphadenitis or lymphoid hyperplasia. Infiltrative neoplasia is possible but considered unlikely.

SEX

Intact Female

*An obvious cause for the recurring urinary tract infections is not identified in this study. Considerations include occult pyelonephritis, recessed vulva, vaginal abnormalities, ectopic ureters, underlying metabolic disease, other.

AGE

5 mos

WEIGHT

21.6 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If urine culture samples have not previously been obtained by cystocentesis, a culture should be repeated by this method to ensure a true urinary tract infection versus puppy vaginitis.

Baseline lab work, including a CBC, Chemistry panel, urinalysis and T4, is recommended, if not already performed.

Vaginal and rectal examinations are recommended to be evaluated for predisposing causes for urinary tract infection. If the above diagnostics are inconclusive and the urinary tract infections persist/recur, a vaginoscopy/cystoscopy +/- a contrast CT scan (to assess for ectopic ureters) may be warranted.

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Martindale AC

REFERRING VET

Dr. McGill

INVOICE

11560

DATE

9.1.22





PATIENT

Luna Turpin

SPECIES

Canine

BREED

Samoyed

SEX

Intact Female

AGE

5 mos

WEIGHT

21.6 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

Martindale AC

REFERRING VET

Dr. McGill

INVOICE

11560

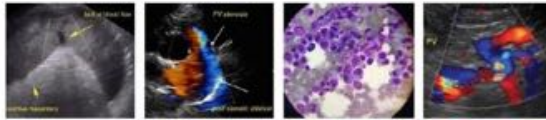
DATE

9.1.22



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

Luna Turpin

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)

info@SonoPath.com

SPECIES

Canine

BREED

Samoyed

SEX

Intact Female

AGE

5 mos

WEIGHT

21.6 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

Martindale AC

REFERRING VET

Dr. McGill

INVOICE

11560

DATE

9.1.22