**PATIENT**

Tessa Radloff

SPECIES

Canine

BREED

German Shepherd

SEX

Spayed Female

AGE

12 years

WEIGHT

96 Pounds

INTERPRETED BYLisa Carioto, DVM,
DVSc, Diplomate
ACVIM**IMAGING
PERFORMED BY**

Amy Mayhew LVT

HOSPITAL NAME

SVS Imaging Michigan

REFERRING VETDearborn Family Pet
Care**INVOICE**

31292

DATE

1/27/20

PRESENTING CLINICAL SIGNS

History: chronic UTI's.

Abnormal PE/Chem/CBC/UA Results: This time the urine had blood clots (free catch) and there are some abnormal cells that may be inflammatory or neoplastic. **Cysto obtained today.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

Although the urinary bladder is inadequately filled, it is evident the wall is thicker than normal (7.85 mm, but not well filled). The wall is diffusely and moderately irregular. No abnormalities are noted with the trigone or proximal urethra. There are no obvious signs of cystoliths, polyps, or a mass.

Kidneys

The **left** kidney measures 7.71 cm. The capsule is smooth. Its overall architecture, including the definition of the cortico-medullary junction, is preserved. Very mild mineralizations of the diverticulae and pelvis are present, without evidence of nephroliths or pyelectasia. An accumulation of fat is observed within the pelvis. The surrounding mesentery is not hyperechoic.

The **right** kidney measures 7.44 cm. An in-depth evaluation of the kidney is not possible due to panting artifact. There are no obvious signs of nephroliths or pyelectasia. The surrounding mesentery is not hyperechoic.

Aortic bifurcation/trifurcation

No abnormalities observed.

Adrenal Glands

The **left** adrenal gland measures 0.84 cm at the cranial pole, 0.78 cm at the caudal pole. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

The **right** adrenal gland measures 0.62 cm. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

Spleen

The spleen is within normal limits in size, architecture, echotexture, and echogenicity. The capsule is smooth. A hypoechoic nodule measuring 0.51 cm in diameter x 0.67 cm in length is noted. No abnormalities are observed with its vasculature, i.e. congestion and thrombi are not identified.

Liver

There are no obvious signs of hepatomegaly and its borders are smooth and sharp. The liver's echotexture is homogeneous and is within normal limits in echogenicity (i.e., it is hypoechoic to the spleen). Focal lesions are not observed and no abnormalities are observed with the hepatic vessels.

**PATIENT**

Tessa Radloff

The gallbladder wall is within normal limits in thickness and echogenicity. A moderate amount of echogenic material is present within the GB. Acoustic shadowing is not observed, i.e. there is no evidence of cholelithiasis. The portions of the cystic and/or common bile ducts observed are not dilated or tortuous, i.e. there are no signs of an obstruction.

SPECIES

Canine

Gastrointestinal**BREED**

German Shepherd

A large amount of ingesta, fluid and gas are present in the lumen of the stomach. The gastric wall is within normal limits in thickness and the wall layers are well defined. No obvious abnormalities are observed with its peristalsis.

SEX

Spayed Female

The small intestinal wall thickness, including the duodenum, is within normal limits and the definition of the wall layers is preserved. Abnormally dilated loops of bowel are not observed.

The colonic wall is thickened at 0.25 cm, however, mural detail is considered normal. A large amount of gas is present within the colon.

AGE

12 years

Pancreas

No abnormalities are observed with the architecture, contours, echogenicity or echotexture of the pancreas. There is no evidence of hyperechogenicity of the surrounding mesentery, i.e., signs of active pancreatitis are not present.

WEIGHT

96 Pounds

Other**INTERPRETED BY**Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM**Lymph nodes**

No abnormalities are observed

Abdominal effusion is not visualized.**IMAGING PERFORMED BY**

Amy Mayhew LVT

ULTRASONOGRAPHIC FINDINGS**HOSPITAL NAME**

SVS Imaging Michigan

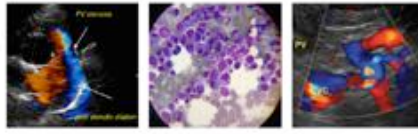
- **Urinary bladder:** Obvious signs of neoplasia are not appreciated. The abnormalities observed are most consistent with chronic urinary tract infections. A *polypliod cystitis* secondary to a chronic bacterial cystitis cannot be excluded.
- **Kidneys:** Changes are consistent with very mild age-related degeneration.
- **Gallbladder:** The gallbladder sludge is most likely clinically insignificant.
- **Spleen:** The hypochoic nodule is not considered clinically significant and is most likely due to nodular or lymphoid hyperplasia.
- **Gastrointestinal tract:** The mild thickening of the colon may be due to a recent episode of colitis, which may not have been mentioned in the history. There are no signs of infiltrative disease.

REFERRING VETDearborn Family Pet
Care**INVOICE**

31292

DATE

1/27/20



PATIENT

Tessa Radloff

- Adrenal glands: Adrenal hyperplasia due to stress, chronic illness or development of a benign adenoma or infiltration with fat cannot be excluded. There are no obvious signs of neoplasia.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A urine culture and sensitivity is recommended, if not recently performed.

BREED

German Shepherd

Treatment for polyploid cystitis: 6-12 weeks, or longer, may be required. A sonographic re-evaluation of the urinary bladder is suggested to ensure the thickening of the wall is regressing with antibiotic therapy. A recheck is also recommended prior to discontinuation of antibiotics.

SEX

Spayed Female

Sterile, digital vaginal exam, if not already performed.

Basic hygiene should be pursued on a daily basis with chlorhexidine 0.025-0.05%, rinsed with luke warm water, and ensuring the area is kept dry to decrease risk of infection. Any fur in the surrounding area should also be trimmed to decrease risk of bacterial wicking.

AGE

12 years

Analgesia is suggested, including gabapentin.

Although controversial, an oral synbiotic, i.e., a product containing both pre and probiotics may help restore the vaginal and urinary microbiome.

WEIGHT

96 Pounds

Cystoscopy and biopsies are ideal if no response to antibiotics are observed.

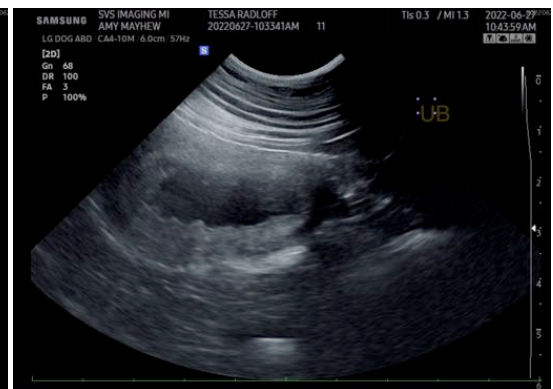
INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM



IMAGING PERFORMED BY

Amy Mayhew LVT



HOSPITAL NAME

SVS Imaging Michigan

REFERRING VET

Dearborn Family Pet
Care

INVOICE

31292

DATE

6/27/2022



PATIENT

Tessa Radloff

SPECIES

Canine

BREED

German Shepherd

SEX

Spayed Female

AGE

12 years

WEIGHT

96 Pounds

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

IMAGING PERFORMED BY

Amy Mayhew LVT

HOSPITAL NAME

SVS Imaging Michigan

REFERRING VET

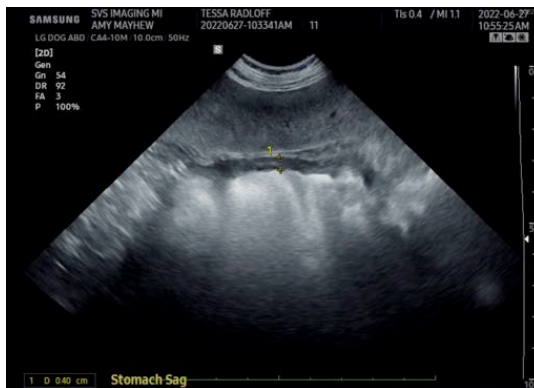
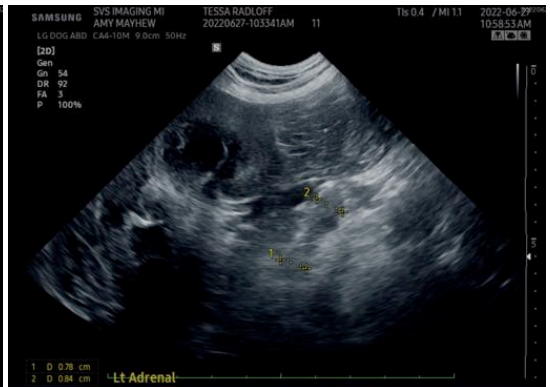
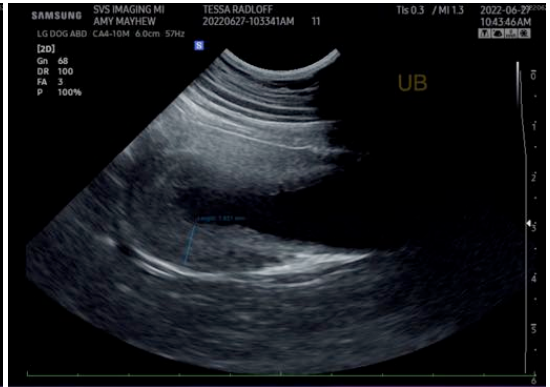
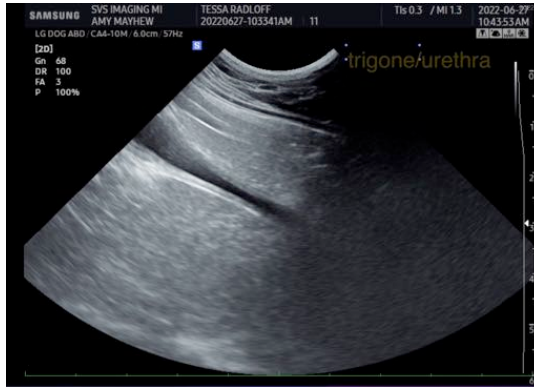
Dearborn Family Pet
Care

INVOICE

31292

DATE

6/27/2022



IMAGING PERFORMED BY

SVS Mobile Imaging MI 734-637-7711
svsimagingmi@gmail.com



PATIENT

Tessa Radloff

SPECIES

Canine

BREED

German Shepherd

SEX

Spayed Female

AGE

12 years

WEIGHT

96 Pounds

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

IMAGING PERFORMED BY

Amy Mayhew LVT

HOSPITAL NAME

SVS Imaging Michigan

REFERRING VET

Dearborn Family Pet
Care

INVOICE

31292

DATE

6/27/2022



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.

Lisa Carioto, DVM, DVSc, Diplomate ACVIM

Lisa.Carioto@sonopath.com