

**PATIENT**

Ayla Friedrich

SPECIES

Canine

BREED

Yorkie

SEX

Spayed female

AGE

11 years

WEIGHT

5.8 pounds

INTERPRETED BYR. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)**IMAGING
PERFORMED BY**

Sarah Pender CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Abby Bowers

INVOICE

10276ag

DATE

04/01/2022

PRESENTING CLINICAL SIGNS

History: Dribbling urine in the house periodically. Voids normally outside, no leaking during resting or sleeping, but will dribble urine in the house (like in line while walking). P does have diabetes but is relatively well controlled. P is also starting to have a thinning hair coat on her dorsum.

Abnormal PE/Chem/CBC/UA Results: No recent lab work, going to get UA today, P coming for BG curve next week, prior history of ALP elevation Previous AUS 10/1/21: Right lateral to caudate liver mass. Minor gallbladder debris (nonmucocoele), Mild age related kidneys, no overt pyelonephritis, Bilateral mild prominent adrenal glands, Echogenic to heterogeneous pancreas - nonspecific, patient variant, parenchymal remodeling, and possible low grade fibrosis owing to previous inflammation or chronic inflammation possible. FNA of liver mass was neoplasia- owners have elected not to pursue treatment.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted. Overt evidence of urethral urine retention was not noted.

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some mildly increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.6 cm in length. The right kidney measured 3.6 cm in length.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The bilateral adrenal glands presented mildly prominent in size, similar to previous ultrasounds without evidence of neoplastic criteria. The left adrenal gland measured 0.64 cm width at the caudal pole and 0.53 cm width at the cranial pole. The right adrenal gland measured 0.52 cm width at the caudal pole. No evidence of progressive adrenal enlargement or neoplastic criteria.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver

The liver presented enlarged in size. The previously noted mildly progressive mass in the area of the right lateral to caudate liver lobe was present measuring 6.5 cm x 4.1 cm. The mass exhibited focal minor intraparenchymal cystic component. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder

**PATIENT**

Ayla Friedrich

was non-distended in size with mild nondependent mildly congealed pinpoint hyperechoic debris. The cystic and common bile ducts were normal.

Gastrointestinal**SPECIES**

Canine

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate ingesta exhibiting mild progressive distal acoustic shadowing with no signs of ileus, obstruction or foreign material.

BREED

Yorkie

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained nonshadowing segmental ingesta/chyme with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent semi formed feces in lumen.

SEX

Spayed female

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

AGE

11 years

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

5.8 pounds

ULTRASONOGRAPHIC FINDINGS

- Mildly progressive yet similar appearing right lateral to caudate liver mass.
- Static mild gallbladder debris (non-mucocele).
- Gastric and small bowel ingesta/chyme-likely post prandial presentation.
- Heterogeneous pancreas-patient or age-related variant suspected. Potential for low grade to chronic inflammation possible.
- Static mild chronic renal changes.
- Overtly normal urinary bladder.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.

HOSPITAL NAME

SVS Imaging QC

Overt evidence of lower urinary tract pathology i.e. neoplasia, calculi or evidence of cystitis/urethritis was not definitively evident. Assuming normal BP, empirical therapy for incontinence may prove beneficial assuming no evidence of underlying infection.

REFERRING VET

Dr. Abby Bowers

Overall, the previously noted liver mass exhibited similar appearance and echogenicity with evidence of mild progression yet no evidence of significant enlargement compared to the previous study. Continued sonographic monitoring would be reasonable.

INVOICE

10276ag

DATE

04/01/2022



PATIENT

Ayla Friedrich

SPECIES

Canine

BREED

Yorkie

SEX

Spayed female

AGE

11 years

WEIGHT

5.8 pounds

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Sarah Pender CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

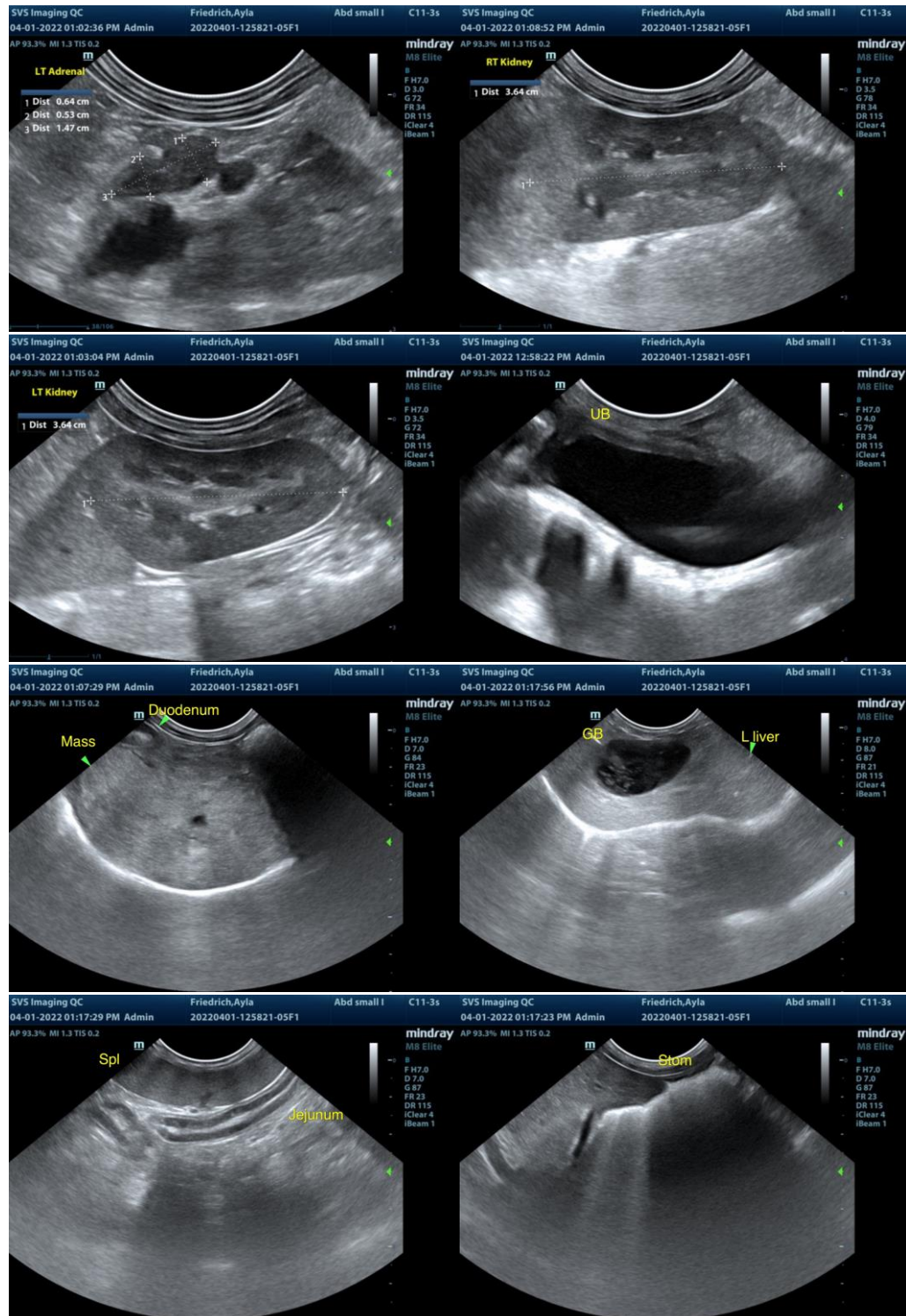
Dr. Abby Bowers

INVOICE

10276ag

DATE

04/01/2022





PATIENT

Ayla Friedrich

SPECIES

Canine

BREED

Yorkie

SEX

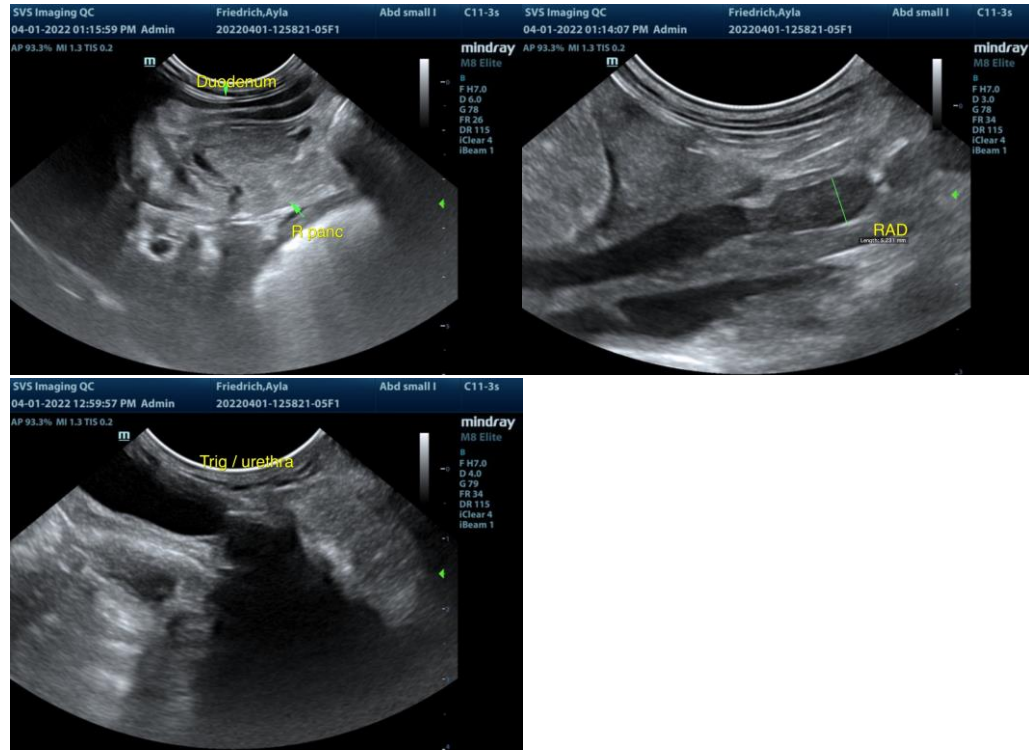
Spayed female

AGE

11 years

WEIGHT

5.8 pounds



INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Sarah Pender CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Abby Bowers

INVOICE

10276ag

DATE

04/01/2022

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com