



PATIENT

Sally Germinario

SPECIES

Canine

BREED

Airedale Terrier

SEX

Spayed Female

AGE

10 Years

WEIGHT

64 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

AH of Roxbury

REFERRING VET

Dr. Elia

INVOICE

17313

DATE

9/16/22

PRESENTING CLINICAL SIGNS

History: Urine accidents, urinating blood clots occasionally, elevated urine protein.

Abnormal PE/Chem/CBC/UA Results: 9/13/2022 USG 1.019, Protein 3+, PH 9, WBC 2-3/hpf, Struvite 4-10, Rods 26-50, UPC 1.6

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** presented a relatively uniform thickening of the cranioventral and craniodorsal mucosae with micropolypoid mucosal changes without involvement of the submucosae. A minimal amount of urine was present at the time of the sonogram. Wall thickness measured 8.0 mm. No evidence of urethral pathology was present. This presentation is most consistent with chronic cystitis. Technically transitional cell carcinoma cannot be ruled out without histopathological review but is not overtly suspected based on this pattern. Cystocentesis and urine culture +/- pathological review of urine cytology would be warranted. No overt calculi were present at this time. This is a mild change. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex. The capsules were acceptably uniform without significant irregularities. Pyelectasia was noted in the left kidney. Pericapsular inflammatory pattern was noted around the left kidney with enhanced mesentery. The left kidney measured 7.42 cm. The right kidney measured 6.47 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 2.96 cm x 0.92 cm at the cranial pole and 0.95 cm at the caudal pole. The left adrenal gland measured 2.35 cm x 0.5 cm at the cranial pole and 0.52 cm at the caudal pole.

Spleen

The **spleen** revealed a hypoechoic nodule in the mid cranial body, measuring 1.77 cm x 1.74 cm. A separate splenic cyst was noted, measuring 1.06 cm. The spleen presented generalized enlargement.

Liver

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is a mild change, consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. Multifocal iso- to hypoechoic nodules were noted, measuring up to 1.68 cm. An overt right medial liver mass was present, measuring 6.15 cm x 5.1 cm, not particularly disruptive. The right liver mass also extended dorsally to the vena cava, may be difficult to resect.

Gastrointestinal



PATIENT

Sally Germinario

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Canine

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

BREED

Airedale Terrier

Heart

A rapid view of the **heart** revealed no evident pathology.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Chronic cystitis bladder pattern, very mild potential for underlying neoplasia
- Pyelonephritis left renal pattern
- Splenic nodules
- Expansive right liver mass and nodular changes, suspect carcinoma, may be difficult to resect

AGE

10 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

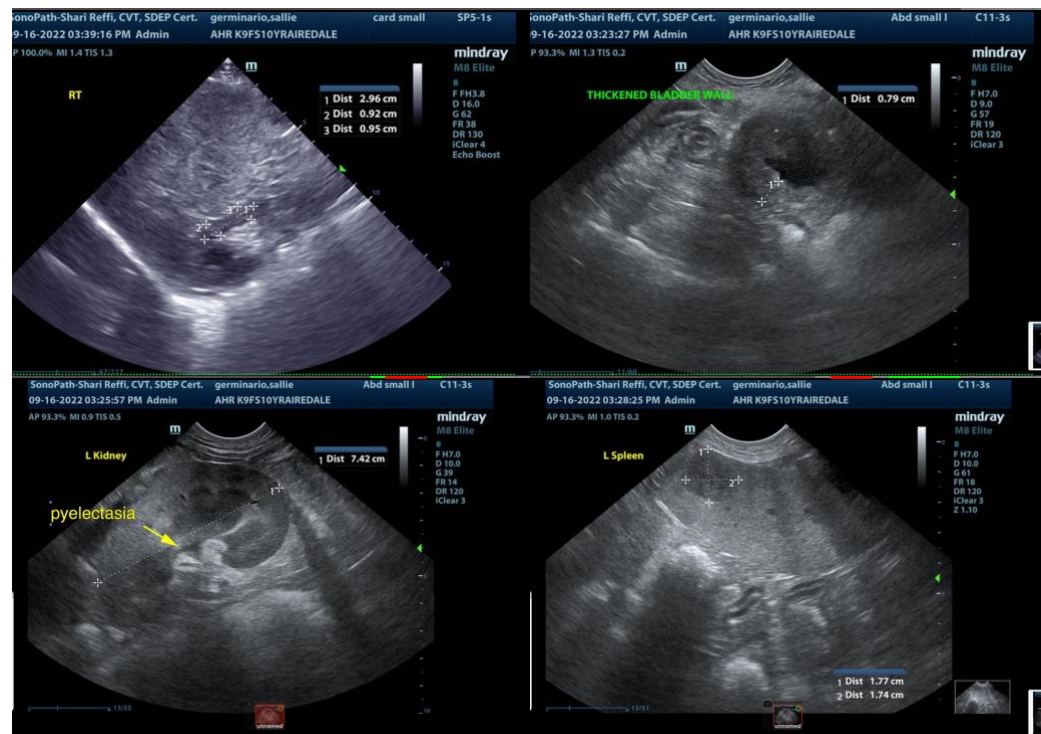
Ultrasound guided FNA of the spleen is recommended. FNA of the liver mass, as well as the separate nodules warranted for staging purposes. Urine culture and sensitivity are indicated. Sampling of the liver and splenic lesions is essential +/- abdominal CT for potential surgical planning.

WEIGHT

64 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

AH of Roxbury

REFERRING VET

Dr. Elia

INVOICE

17313

DATE

9/16/22



PATIENT

Sally Germinario

SPECIES

Canine

BREED

Airedale Terrier

SEX

Spayed Female

AGE

10 Years

WEIGHT

64 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Shari Reffi, CVT

HOSPITAL NAME

AH of Roxbury

REFERRING VET

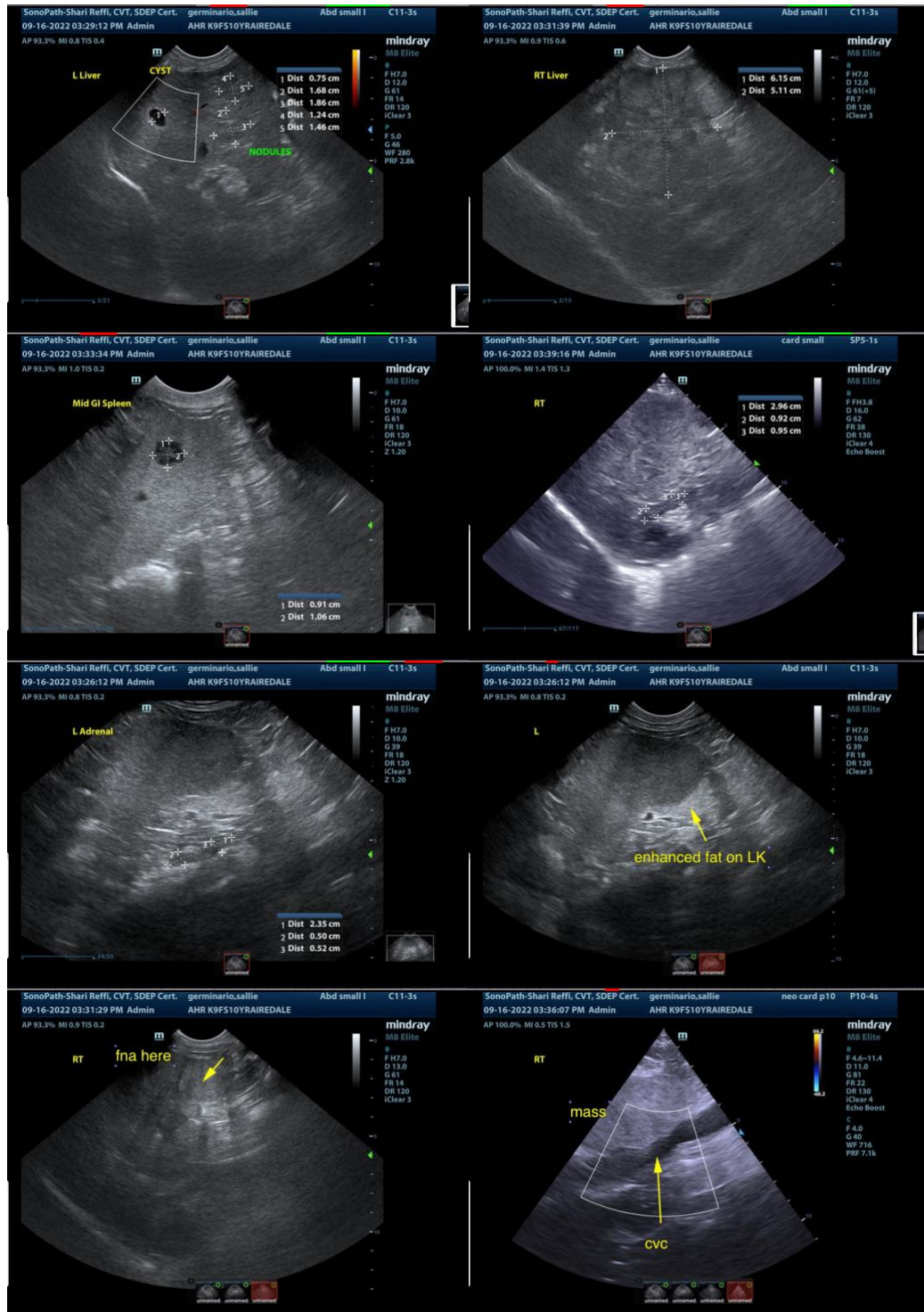
Dr. Elia

INVOICE

17313

DATE

9/16/22



The information and recommendations provided are based on the images presented by the referring veterinarian. 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



PATIENT

can be of any further assistance please contact me.

Sally Germinario

SPECIES

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

Canine

BREED

Airedale Terrier

SEX

Spayed Female

AGE

10 Years

WEIGHT

64 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Shari Reffi, CVT

HOSPITAL NAME

AH of Roxbury

REFERRING VET

Dr. Elia

INVOICE

17313

DATE

9/16/22