



PATIENT

Adi Leisses

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

12 Years

WEIGHT

16.1 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kevin Moon, DVM

HOSPITAL NAME

Shiloh VH

REFERRING VET

Dr. Nicole Kaczor

INVOICE

21148

DATE

2/17/23

PRESENTING CLINICAL SIGNS

History: Recurrent episodes of vomiting since beginning of the year. In January, was able to stop with a short course of Cerenia but has become more persistent. For the last 10d, p has been on Cerenia SID and omeprazole BID, which control vomiting. If o stops, she will vomit. P has maintained weight and a good appetite.

Abnormal PE/Chem/CBC/UA Results: 1/1 at ER- ALP 541 (23-221), cPL abnormal

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some minor age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Slight mineralizations were noted. The left kidney measured 3.8 cm in length. The right kidney measured 4.6 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 left adrenal gland measured 0.6 cm at the caudal pole and 0.49 cm at the cranial pole. The right adrenal gland measured 0.7 cm at the cranial pole and 0.4 cm at the caudal pole.

Spleen

The **spleen** revealed a mixed echogenic lipogranulomatous type mass deriving from the caudal pole, measuring 3.0 cm. This is subjectively benign, however, is somewhat precarious. No cavitation was noted. Other heterogenous changes were noted in the spleen.

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 consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. Nondisruptive multifocal nodular changes were noted, measuring up to 1.4 cm.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed an unremarkable stomach and small intestine regarding structure. Hypertrophy of the gastric mucosa was noted. There were minor areas of luminal fluid noted. There was no evidence of foreign bodies or obstructive pattern. Curvilinear patterns were



PATIENT

Adi Leisses

retained throughout the gastrointestinal tract. Areas of hyperperistalsis were noted. This is consistent with response to irritation. The colon was unremarkable.

SPECIES

Canine

Pancreas

The **pancreas** revealed subtle heterogenous parenchymal changes. No evidence of significant disease.

BREED

Shih Tzu

ULTRASONOGRAPHIC FINDINGS

- Vacuolar hepatopathy/nodular hyperplasia liver pattern, subjectively benign
- Gastroenteritis/gastroenteritis pattern, nonspecific
- Age-related renal changes with slight mineralization
- Splenic mass, likely stromal or connective tissue tumor
- Subtle heterogenous pancreatic changes

SEX

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

12 Years

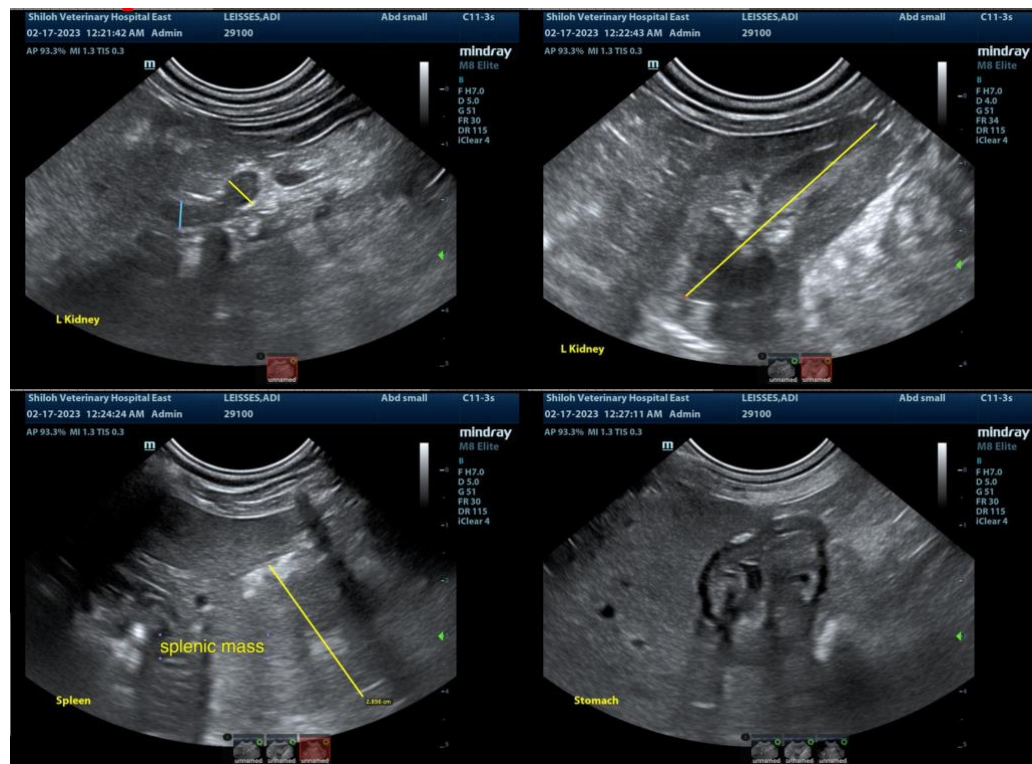
FNA of the liver nodules would be ideal for baseline and to ensure more significant disease is not evident. Proactive splenectomy and gastric biopsies are recommended, given the convenience of the procedure. FNA of the splenic mass could be considered, however, the mass is pedunculated and at risk for rupture or torsion. Chest radiographs and rapid echocardiogram are recommended to assess for a metastatic disease. Empirical treatment for gastritis is warranted otherwise.

WEIGHT

16.1 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Kevin Moon, DVM

HOSPITAL NAME

Shiloh VH

REFERRING VET

Dr. Nicole Kaczor

INVOICE

21148

DATE

2/17/23



PATIENT

Adi Leisses

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

12 Years

WEIGHT

16.1 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kevin Moon, DVM

HOSPITAL NAME

Shiloh VH

REFERRING VET

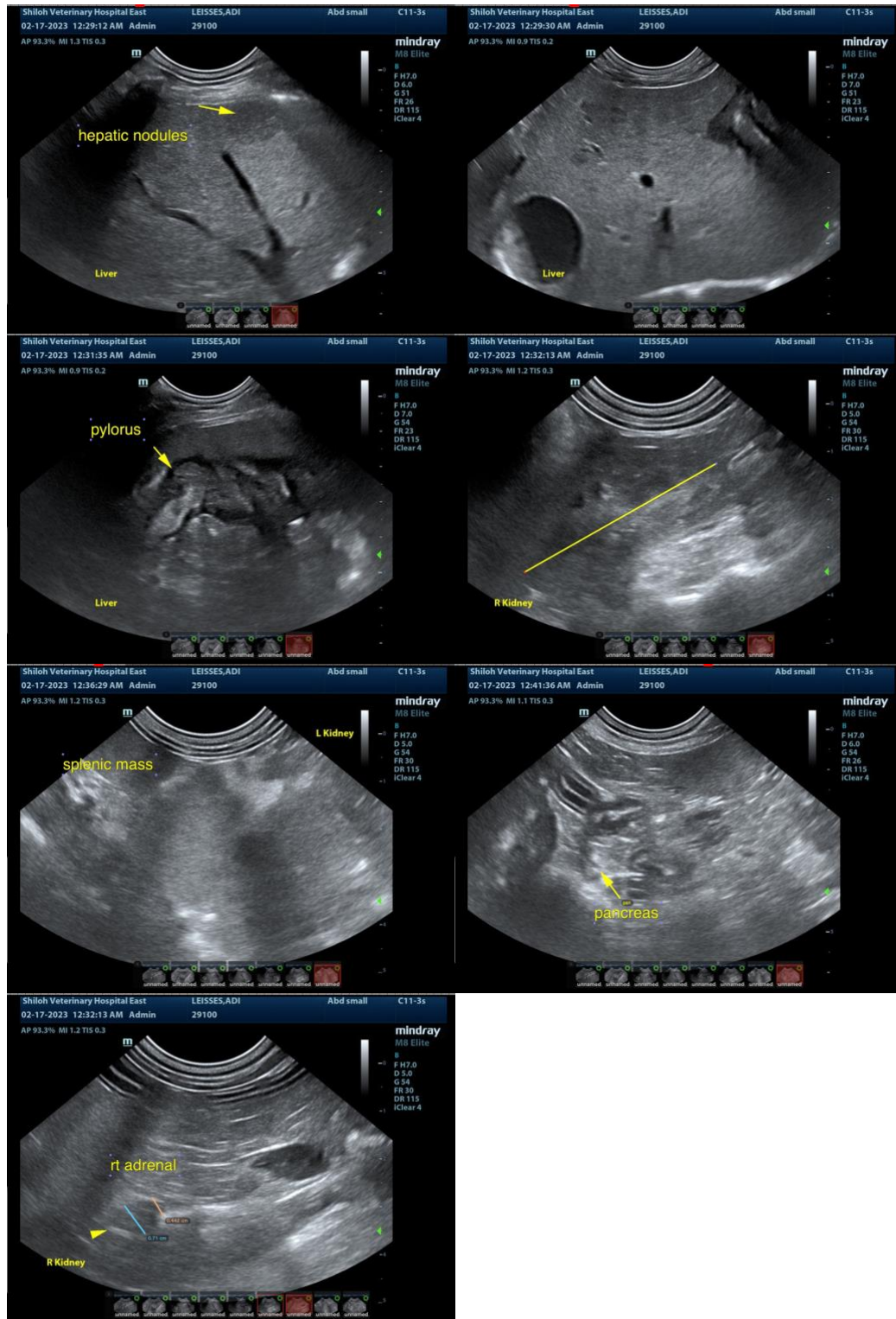
Dr. Nicole Kaczor

INVOICE

21148

DATE

2/17/23



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.



PATIENT

Adi Leisses

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.

SPECIES

Canine

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

BREED

Shih Tzu

SEX

Spayed Female

AGE

12 Years

WEIGHT

16.1 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Kevin Moon, DVM

HOSPITAL NAME

Shiloh VH

REFERRING VET

Dr. Nicole Kaczor

INVOICE

21148

DATE

2/17/23