



PATIENT PRESENTING CLINICAL SIGNS

Bella Setteneri Elevated liver enzymes. Abdominal distention, diarrhea x 1 week, mild weakness. Eating well, no pu/pd. Weight gain (2/23=13 lbs; 7/22/23=14 lbs). Prev. AUS 4/2022 (attached)

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: SAP 4992; ALT 559; AST 68; GGTP 55; BUN 43; BUN/CREAT 72; GLU 172; PSL 172; T4 0.6; CHOL 416; MONO 1212; NEUT 17170; WBC 20.2

BREED

Shih Tzu

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Spayed Female

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. Minimal amount of urine present at the time of the sonogram. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

AGE

13 Years

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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. Mineralization noted in both kidneys. The right kidney measured 4.23 cm. The left kidney measured 4.4 cm.

WEIGHT

14.1 Pounds

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

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 1.5 cm x 0.62 cm at the cranial pole and 0.65 cm at the caudal pole. The right adrenal gland measured 1.81 cm x 0.62 cm at the cranial pole and 0.55 cm at the caudal pole.

IMAGING PERFORMED BY

Shari Reffi, CVT

Spleen

The spleen presented relatively normal size and contour with multifocal hyperechoic nodular changes, most consistent with fatty deposits or lipogranulomas. These are not typically pathological. No suspicion of significant. Capsular and parenchymal integrity was normal otherwise.

HOSPITAL NAME

East Plane AH

Liver

The **liver** revealed an isoechoic nodule in the left medial liver measuring 2.65 cm with coarse architecture and minor swelling. Minor increased portal markings noted. Occasional hypoechoic nodule noted in the liver. The gallbladder and common bile duct were unremarkable.

REFERRING VET

Dr. Rosen

Gastrointestinal

INVOICE

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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.

DATE

7/28/23



PATIENT *Pancreas*

Bella Setteneri

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.

SPECIES

Canine

Free Abdomen

BREED

Shih Tzu

Rapid view of the heart revealed no evident pathology in the right auricle or pericardium.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Nodular hyperplasia/vacuolar hepatopathy pattern with minor remodeling – likely benign. However, FNA would be ideal for further definition.
- Age related renal changes with mineralization

AGE

13 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Abdominal distention is likely owing to hepatomegaly, given the liver enzyme elevation. FNA indicated.

WEIGHT

14.1 Pounds

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HOSPITAL NAME

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REFERRING VET

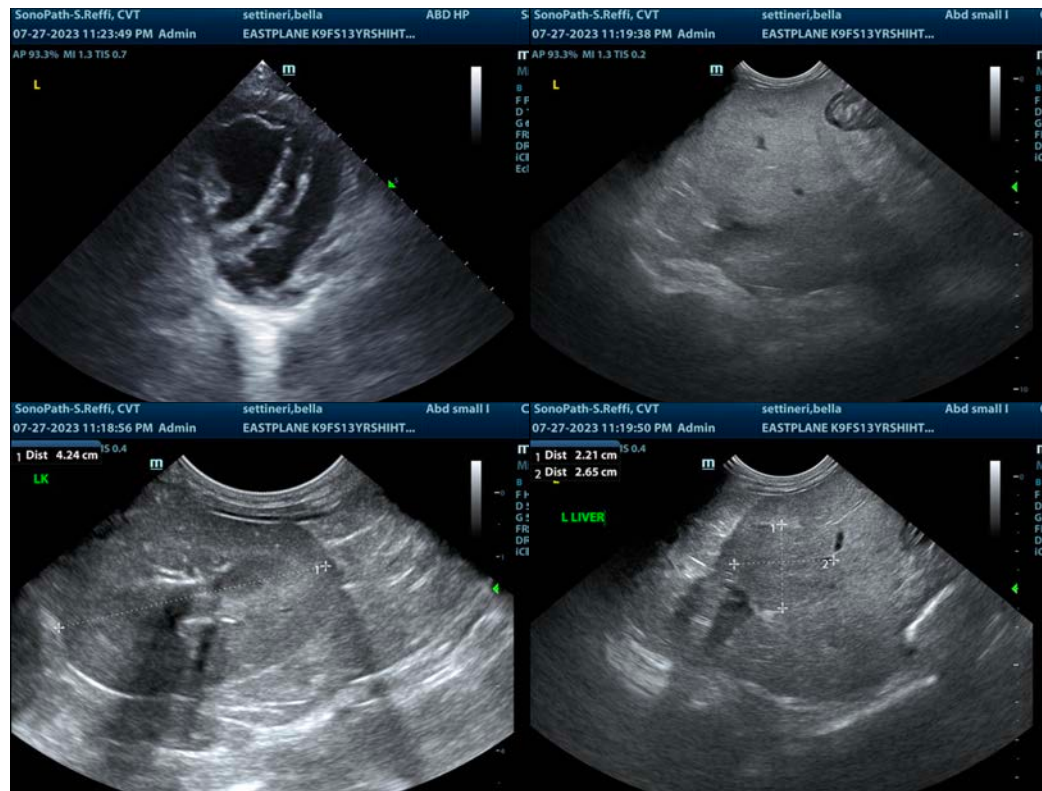
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PATIENT

Bella Setteneri

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

13 Years

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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.

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

info@SonoPath.com