



PATIENT

Ellie Dunn

PRESENTING CLINICAL SIGNS

History: Not eating, mineralization in L kidney. 2017 history of lymphoma (neck)- treated at Oradell Hospital. Labs + Radiographs attached

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Shih Tzu

The **bladder** in this patient was mildly thickened with slight echogenic mural changes. Urethral and bladder calculi were noted and were non-obstructive. The largest calculus measured up to 0.5 cm. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal.

SEX

Spayed Female

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 this age patient. Medullary structure differed distinctly from that of the cortex. Slight pyelectasia was noted and measured 0.23 cm. The right kidney measured 4.14 cm. The left kidney revealed pelvic and cortical medullary mineralization. The left kidney measured 3.37 cm with minor cortical infarcts.

AGE

13 years

WEIGHT

11.3 lbs

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 was normal and measured 1.43 x 0.38 cm at the caudal pole and 0.38 cm at the cranial pole. The left adrenal gland measured 2.04 x 0.51 cm at the caudal pole and 0.33 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Denise Bruno, LVT,
RDMS

Spleen

The **spleen** revealed slight, irregular undulating contour. The spleen revealed an overt 2.5 cm parenchymal mass with capsular expansion.

HOSPITAL NAME

Farview AC

Liver

REFERRING VET

Dr. Mosaad

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele. However, the sludge appears to be mildly excessive. No adjunctive inflammation was noted.

INVOICE

30955

DATE

6/9/22



PATIENT

Gastrointestinal

Ellie Dunn

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

BREED

Shih Tzu

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.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

PRIMARY FINDINGS:

Splenic mass. Given the patient's history round cell neoplasia is likely.

AGE

13 years

SECONDARY FINDINGS:

Mild cystitis bladder pattern with non-obstructive urethral and bladder calculi.

WEIGHT

11.3 lbs

Age related hepatic and renal changes with non-obstructive nephrolithiasis.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I am concerned that the lymph nodes may represent a precancerous state or a neoplastic state that necessitates second opinion cytology evaluation or PCR. FNA of the splenic lesion is recommended or direct splenectomy. Cystotomy with normal and retrograde flushing would all be appropriate. The prognosis is guarded depending upon cytology results. Rapid view of the heart is recommended to ensure that no metastatic disease to the right auricle or pericardium is noted. Round cell neoplasia, hemangiosarcoma, splenic necrosis or abscessation is all possible.

IMAGING PERFORMED BY

Denise Bruno, LVT,
RDMS

HOSPITAL NAME

Farview AC

REFERRING VET

Dr. Mosaad

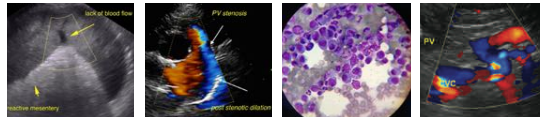
INVOICE

30955

DATE

6/9/22





PATIENT

Ellie Dunn

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

13 years

WEIGHT

11.3 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Denise Bruno, LVT,
RDMS

HOSPITAL NAME

Farview AC

REFERRING VET

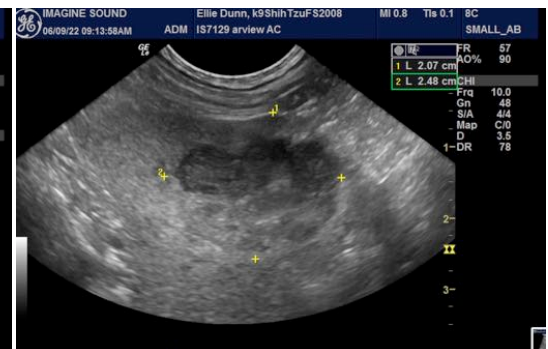
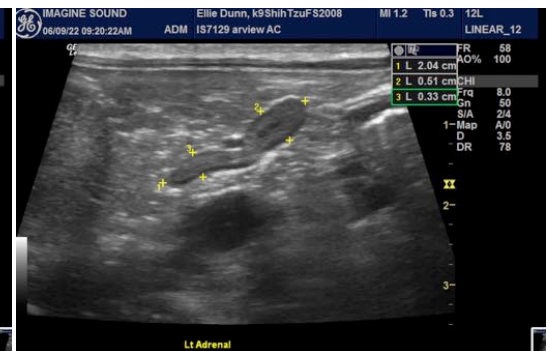
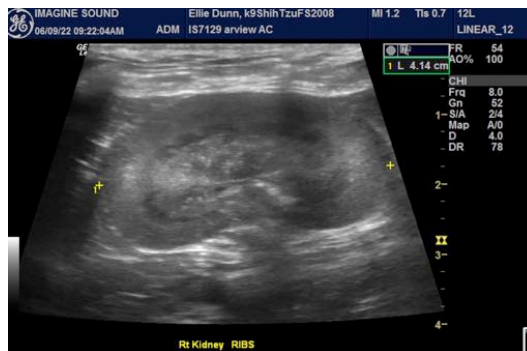
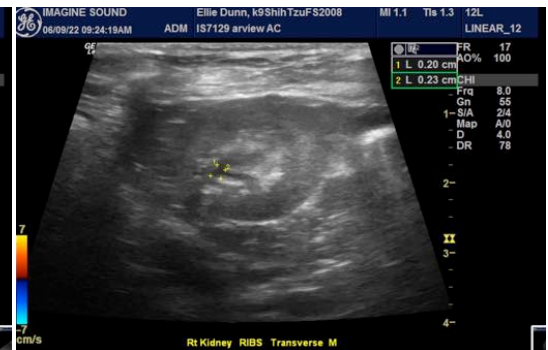
Dr. Mosaad

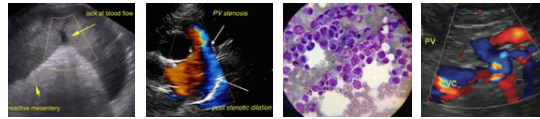
INVOICE

30955

DATE

6/9/22





PATIENT

Ellie Dunn

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

13 years

WEIGHT

11.3 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Denise Bruno, LVT,
RDMS

HOSPITAL NAME

Farview AC

REFERRING VET

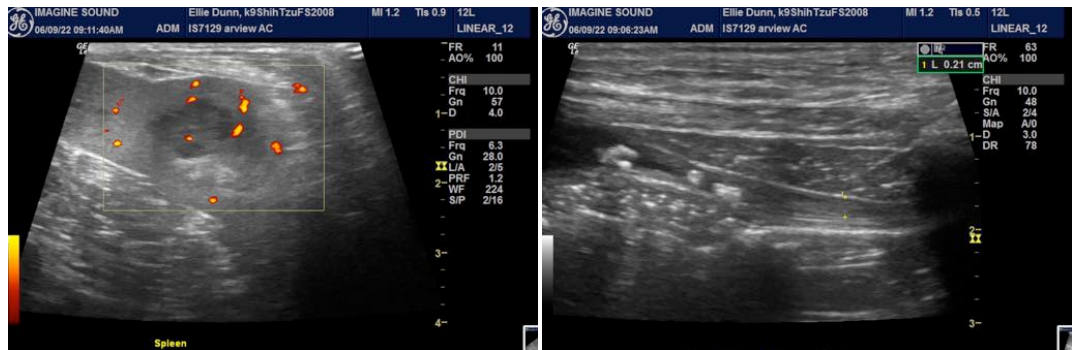
Dr. Mosaad

INVOICE

30955

DATE

6/9/22



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
Eric.Lindquist@SonoPath.com