



**PATIENT**

Eden Chauvin

**SPECIES**

Canine

**BREED**

Miniature Schnauzer

**SEX**

Spayed Female

**AGE**

12 years

**WEIGHT**

18 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenny Parrish

**HOSPITAL NAME**

Local Mobile Vet

**REFERRING VET**

Dr. Parrish

**INVOICE**

97010

**DATE**

3/21/22

**PRESENTING CLINICAL SIGNS**

History: dog licking at vulva area

Abnormal PE/Chem/CBC/UA Results: Cem: Alkphos 613 (131) Phos 6.1 (6.0) rest is WNL no CBC was run urine cortisol/Cr: 9 UA: pH 8, spG: 1.021, protein 2+, struvite 2-3, protein/Cr: 3.3

**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 was noted. Ureteral papillae were normal.

The uterine stump was visualized and measured 0.4 cm.

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 and no evidence of pelvic dilation was present. Slight mineralization was noted. The right kidney measured 5.42 cm. The left kidney measured 5.46 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 1.29 x 0.4 cm. The right adrenal gland measured 2.0 x 0.5 cm.

**Spleen**

The **spleen** was mildly enlarged with uniform parenchyma with slight swelling that is consistent with reactive 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. There was no overt suspicion of neoplasia.

**Gastrointestinal**

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. There was retention of ingesta noted in the stomach. The small intestine and colon were unremarkable.



**PATIENT**

**Pancreas**

Eden Chauvin

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

**ULTRASONOGRAPHIC FINDINGS**

**BREED**

Miniature Schnauzer

Geriatric abdomen.

Minor hypersplenism.

Moderate degenerative renal changes.

**SEX**

Spayed Female

Splenic enlargement.

**AGE**

12 years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Ursodiol therapy is recommended as a palliative measure. There was no evidence of residual or uterine pathology.

**WEIGHT**

18 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenny Parrish

**HOSPITAL NAME**

Local Mobile Vet

**REFERRING VET**

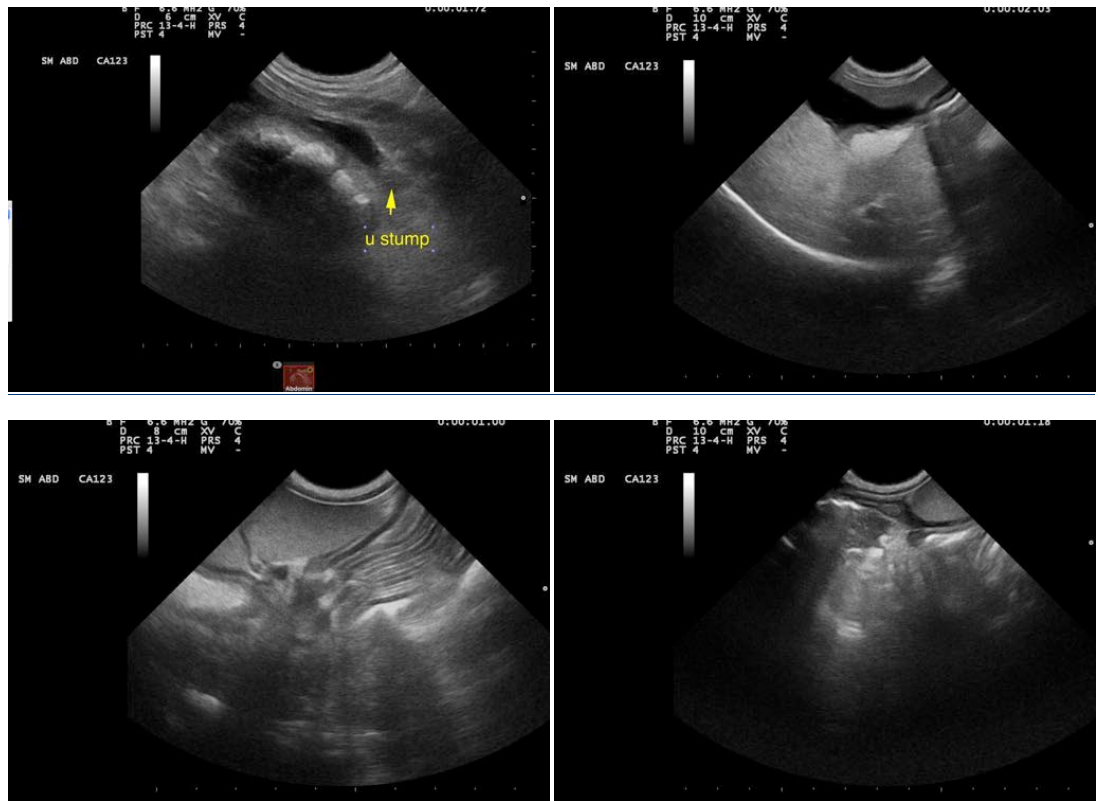
Dr. Parrish

**INVOICE**

97010

**DATE**

3/21/22





**PATIENT**

Eden Chauvin

**SPECIES**

Canine

**BREED**

Miniature Schnauzer

**SEX**

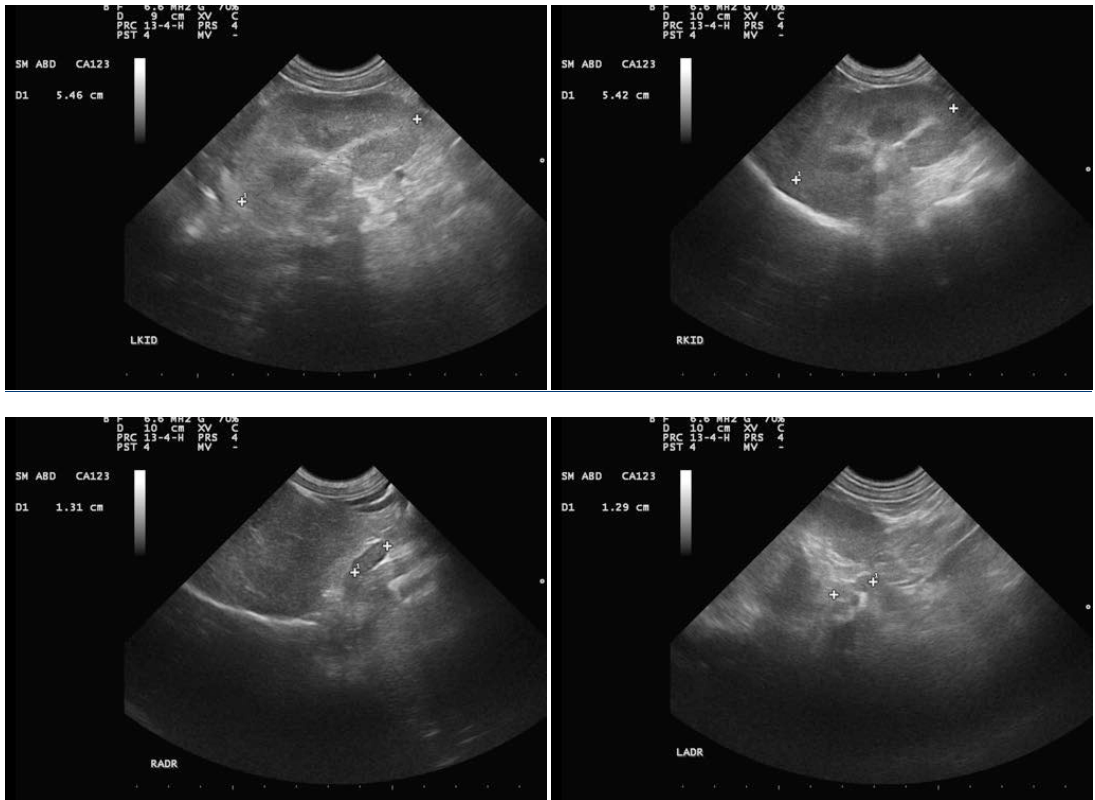
Spayed Female

**AGE**

12 years

**WEIGHT**

18 lbs



**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenny Parrish

**HOSPITAL NAME**

Local Mobile Vet

**REFERRING VET**

Dr. Parrish

**INVOICE**

97010

**DATE**

3/21/22

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  
info@SonoPath.com