



PATIENT PRESENTING CLINICAL SIGNS

Nora Brun

History: Inappropriate urination , pollakiuria, stranguria, urine leakage , previous UTI. Normal drinking and healthy appetite , growing well

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: CBC: unremarkable Biochemistry ; Creatinine 15.27 - 106 µmol/L Sodium 142 - 157 mmol/L Liver enzymes wnl BUN wnl Urinalysis was done on Nov 09 : USG 1.035 , pH 6.0, White Blood Cells 22 /HPF, Bacteria : Rods Present

BREED

Greater Swiss Mountain Dog

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Female

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. One ureteral papilla revealed positive jets; however, just dorsal and distal to that ureteral papilla a hyperperistaltic, slightly dilated 0.2 cm ureter was noted and appeared to bypass the trigone, yet distal termination was not able to be ascertained.

AGE

11 weeks

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 and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 6.4 cm. The right kidney measured 6.6 cm.

WEIGHT

14 kg

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 right adrenal gland was subjectively flattened and measured 0.25 cm at the cranial pole and 0.35 cm at the caudal pole.

IMAGING PERFORMED BY

Dr. Gira

Spleen

HOSPITAL NAME

Resolution Veterinary Ultrasound

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

REFERRING VET

Dr. Gira/ Sabadilla AC

Liver

INVOICE

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The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

DATE

11/30/22



PATIENT

Gastrointestinal

Nora Brun

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. The mesenteric lymph nodes are reactive/juvenile and measured 3.06 x 1.0 cm.

SPECIES

Canine

BREED

Greater Swiss Mountain Dog

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

Female

Free Abdomen

The sublumbar lymph nodes were active and measured up to 1.13 cm.

AGE

11 weeks

ULTRASONOGRAPHIC FINDINGS

WEIGHT

14 kg

Suspect left ectopic ureter.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

CT with contrast is recommended in this patient. The kidneys and upper urinary tract appeared unremarkable.

IMAGING PERFORMED BY

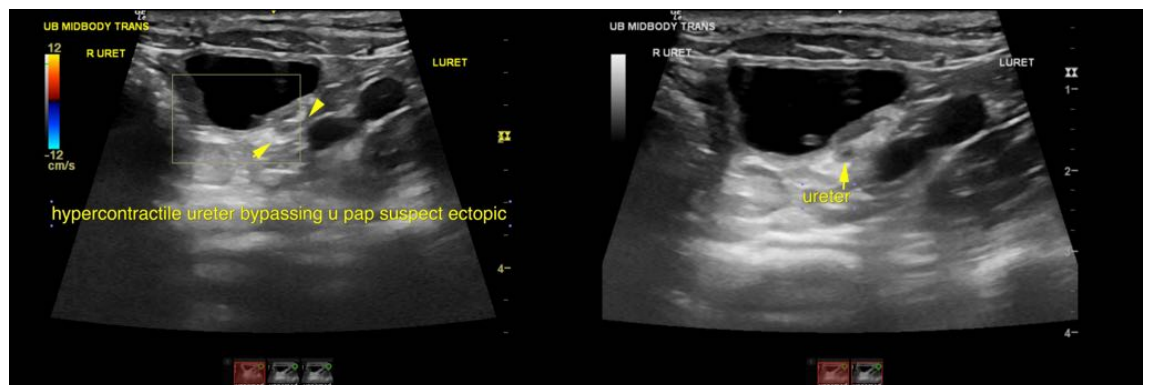
Dr. Gira

HOSPITAL NAME

Resolution Veterinary
Ultrasound

REFERRING VET

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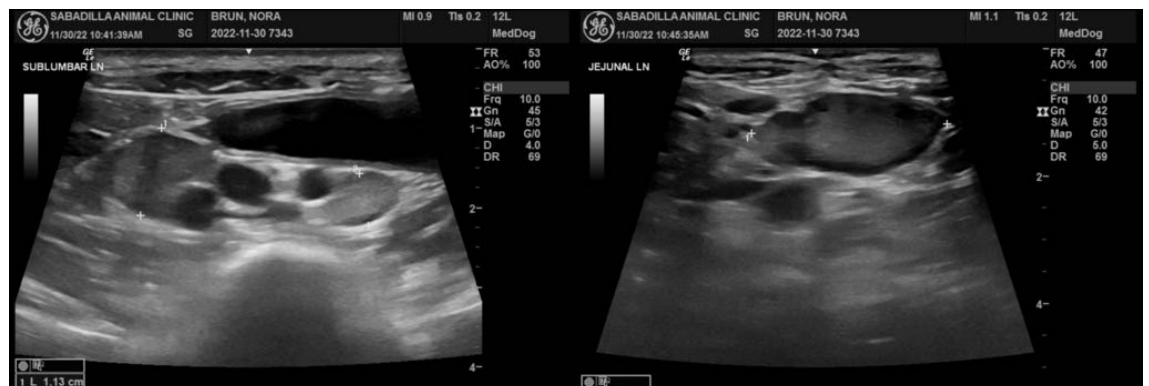
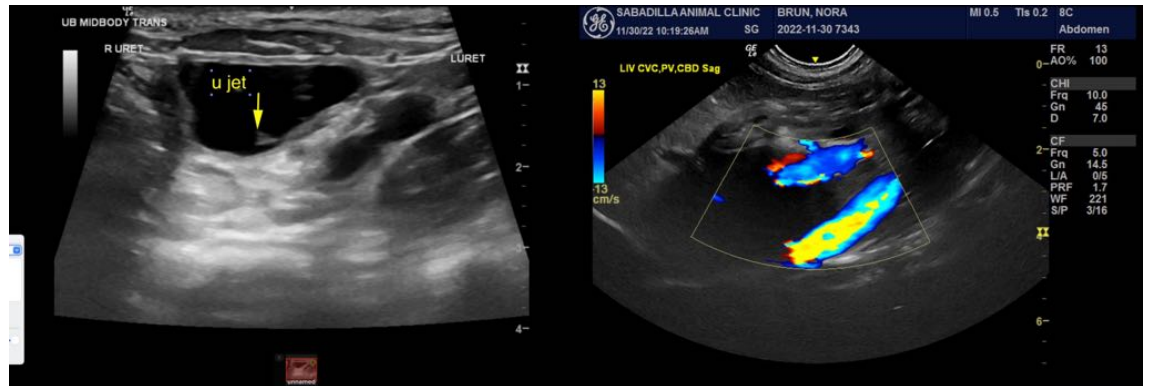
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SEX

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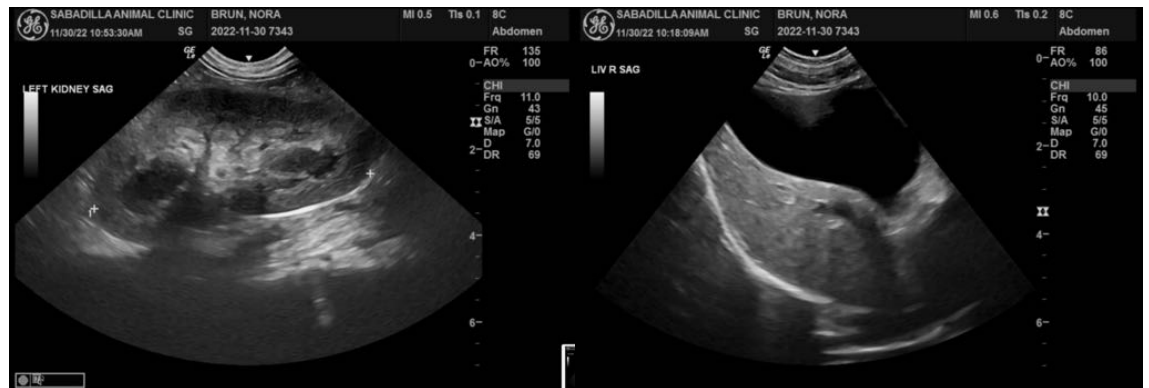
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
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