



**PATIENT PRESENTING CLINICAL SIGNS**

Ellie Emery New patient, previously diagnosed with renal disease. Eating has slowed down. On-going abscesses in her mouth. Recently R/O Addison's disease.  
**SPECIES** Abnormal PE/Chem/CBC/UA Results: PE: BCS 3-4/9 Tick panel to Idexx: all NEG BW (4/22) BUN 47, Creat 1.6. UA: SG 1.012, inactive sediment aside from RBC.

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED Urinary System**

Pomeranian X 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.

**SEX**

Spayed Female The **kidneys** presented increased cortical echogenicity and irregular contour, slightly subnormal size for this size patient. Blood flow appeared to be adequate to slightly subnormal on power doppler assessment. Some loss of corticomedullary definition noted. Some echogenic debris noted in the renal pelvises with pyelectasia. The right kidney measured 3.25 cm. The left kidney measured 2.74 cm.

**AGE**

7 Years

**Adrenal Glands**

**WEIGHT**

8 Pounds

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 1.64 cm x 0.47 cm at the cranial pole and 0.42 cm at the caudal pole. The right adrenal gland measured 1.51 cm x 1.0 cm at the cranial pole and 0.64 cm at the caudal pole.

**INTERPRETED BY**

Eric Lindquist, DMV

**Spleen**

The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.

DABVP, Cert. IVUSS

**Liver**

**IMAGING PERFORMED BY**

Dr. Ebersole

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.

**HOSPITAL NAME**

Scanvet

**Gastrointestinal**

**REFERRING VET**

Dr. Lipovsky

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.

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**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.

**DATE**

8/5/22



**PATIENT**

Ellie Emery

**ULTRASONOGRAPHIC FINDINGS**

- Non-specific moderate degenerative renal changes – possible mild form of primary renal dysplasia.

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Renal biopsy would be necessary for further definition. If any evidence of inflammatory sediment, pyelonephritis should be suspected. 72-hour IV fluid protocol, urine culture and blood pressures all indicated and reassessment of the clinical status. GI protectants warranted, given the azotemia.

**BREED**

Pomeranian X

**SEX**

Spayed Female

**AGE**

7 Years



**WEIGHT**

8 Pounds

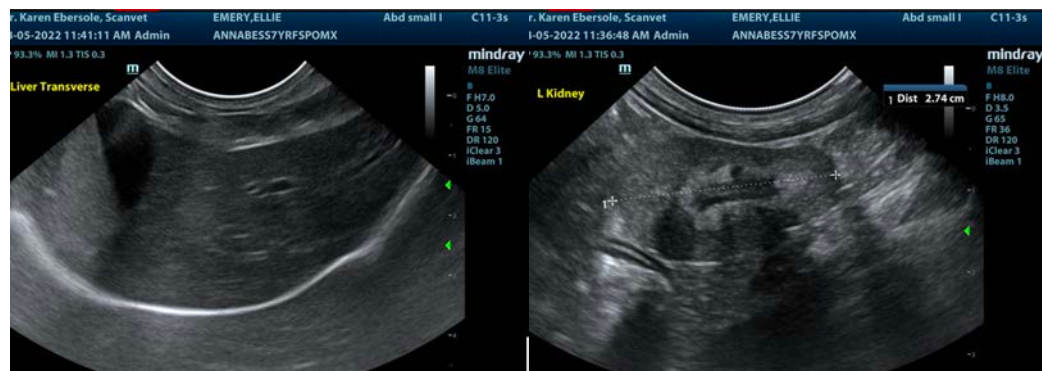


**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Ebersole



**HOSPITAL NAME**

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**PATIENT**

Ellie Emery

**SPECIES**

Canine

**BREED**

Pomeranian X

**SEX**

Spayed Female

**AGE**

7 Years

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8 Pounds

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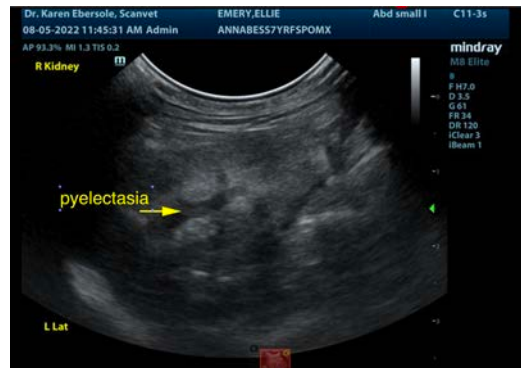
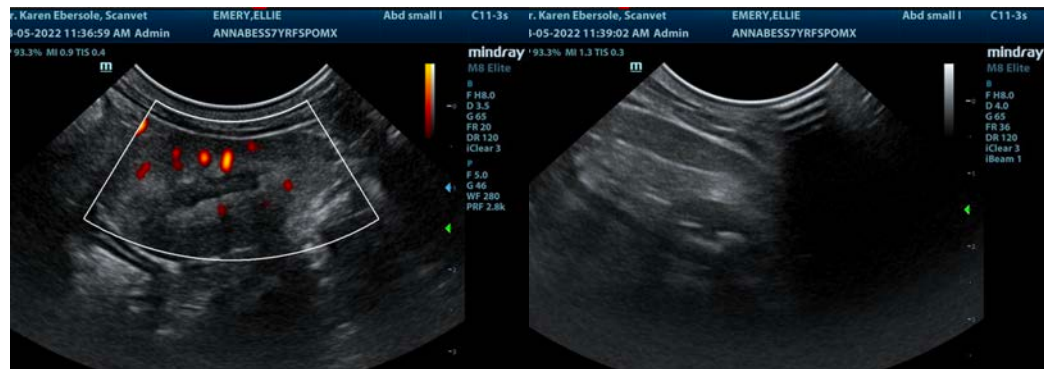
Dr. Lipovsky

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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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