



PATIENT

Minnie Christopherson

PRESENTING CLINICAL SIGNS

History: here for eval of kidneys as rDVM found patient to be azotemic prior to OVH.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Dalmatian

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.

SEX

Female

The **kidneys** revealed normal size and structure with loss of corticomedullary definition. 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 kidneys revealed cortical infarcts and interstitial nephrosis pattern. The cortices were thickened with loss of corticomedullary definition. Diffuse, hyperechoic cortical changes and pyelectasia were noted. The left kidney measured 4.81 cm. The right kidney measured 4.51 cm.

AGE

1 year

WEIGHT

31 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 measured 0.42 cm at the caudal pole and 0.4 cm at the cranial pole. The left adrenal gland measured 0.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Brian Klug

HOSPITAL NAME

Sondel Family VC

Spleen

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. Sondel

Liver

The visible **liver** was unremarkable.

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Gastrointestinal

DATE

10/27/22

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



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Pancreas

Canine

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.

BREED

Dalmatian

ULTRASONOGRAPHIC FINDINGS

SEX

Interstitial nephrosis with infarcts.

Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

1 year

Blood flow to the kidneys appeared to be fairly adequate to slightly subnormal. Given the age of the patient primary renal dysplasia is a strong potential with secondary degenerative changes. Renal biopsy is warranted. The breeding line should be evaluated for possible renal dysplasia if confirmed on histopathology. The prognosis is guarded to poor. Underlying chronic Leptospirosis is also a potential in this patient.

WEIGHT

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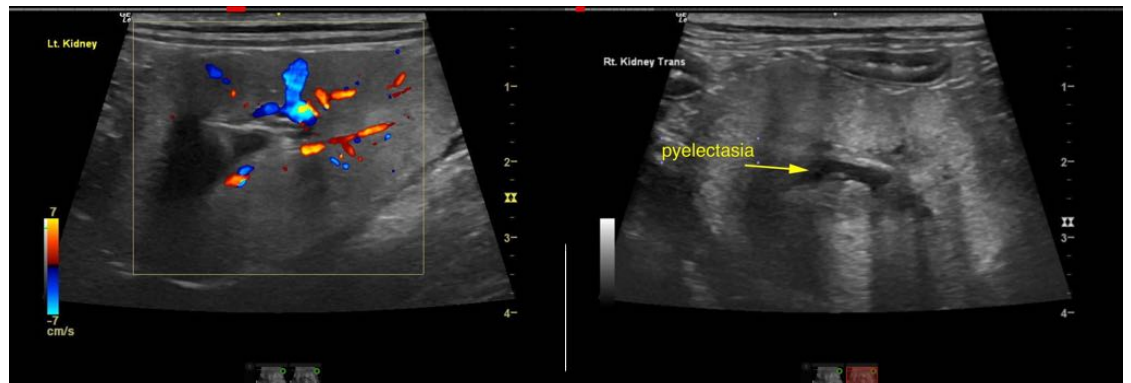
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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