



PATIENT

Nino Chucid

SPECIES

Canine

BREED

Terrier Mix

SEX

MN

AGE

13 yr

WEIGHT

55 lb

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffit CVT

HOSPITAL NAME

Raritan Valley
Veterinary Hospital

REFERRING VET

Dr. Verma

INVOICE

10767ag

DATE

06/09/2022

PRESENTING CLINICAL SIGNS

History: Severe azotemia, weak ambulating on hind legs, suspect degenerative neuropathy and concurrent OA. Assess kidneys structurally. Was on Galliprant, currently on Gabapentin, adequan inj. Abnormal PE/Chem/CBC/UA Results: BUN 74 (27 H); CREAT 8.2 (1.8 H); SDMA 45 (14 H); PHOS 8.4 (6.8 H); K+ 5.9 (5.8H); ALT 215 (125 H); ALKP 220 (212 H) U/A-3/27/22 USG 1.036, 3+ STRUVITE. Urine cysto from today PENDING

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder and visible pelvic urethra were unremarkable for the level of repletion presented. The urine, however, did present some mildly echogenic debris consistent with mucous, exfoliated cells from renal or bladder origin, and/or blood clots as these echogenic changes can all present similarly. This is often related to urinary tract infection but may represent simple evidence of exfoliated debris or sterile inflammation. Cystocentesis, urinalysis, +/- culture would be recommended to rule out and define any UTI.

The left kidney presented a 4.3 cm cyst with echogenic debris at the caudal pole with moderate degenerative changes elsewhere. This left kidney cyst appeared inflamed, possibly abscessed. Ultrasound guided drainage is warranted. There is mild potential for left renal neoplasia, some irregular tissue was noted as well in the left renal cortex. The right kidney was dystrophic, irregular and thickened with pyelectasia and mineralization. The right kidney measured 4.27 cm in length. The left kidney measured 7.18 cm in length.

The residual prostate was uniform measuring 8 mm.

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 2.29 cm in length by 0.56 cm caudal pole width by 0.51 cm cranial pole width. The right adrenal gland measured 2.09 cm in length by 0.73 cm caudal pole width by 0.94 cm cranial pole width.

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 were noted.

Liver

The liver images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some mild 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 presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.



PATIENT

Nino Chucid

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. 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

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.

BREED

Terrier Mix

SEX

MN

ULTRASONOGRAPHIC FINDINGS

AGE

13 yr

- Dystrophic subjectively end stage right kidney
- Chronic nephritis with inflamed cyst or abscess in the left kidney-concern for possible left renal neoplasia.

WEIGHT

55 lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasound guided drainage and C/S of the cyst and FNA of the renal cortex is recommended. However given the renal failure in this patient the prognosis is very guarded to poor long term. The right kidney appears end stage and the left kidney is near end stage. BP measurements, urine C/S, 72 hour IVF protocol warranted until sampling can be performed.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Shari Reffit CVT

HOSPITAL NAME

Raritan Valley
Veterinary Hospital

REFERRING VET

Dr. Verma

INVOICE

10767ag

DATE

06/09/2022





PATIENT

Nino Chucid

SPECIES

Canine

BREED

Terrier Mix

SEX

MN

AGE

13 yr

WEIGHT

55 lb

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffit CVT

HOSPITAL NAME

Raritan Valley
Veterinary Hospital

REFERRING VET

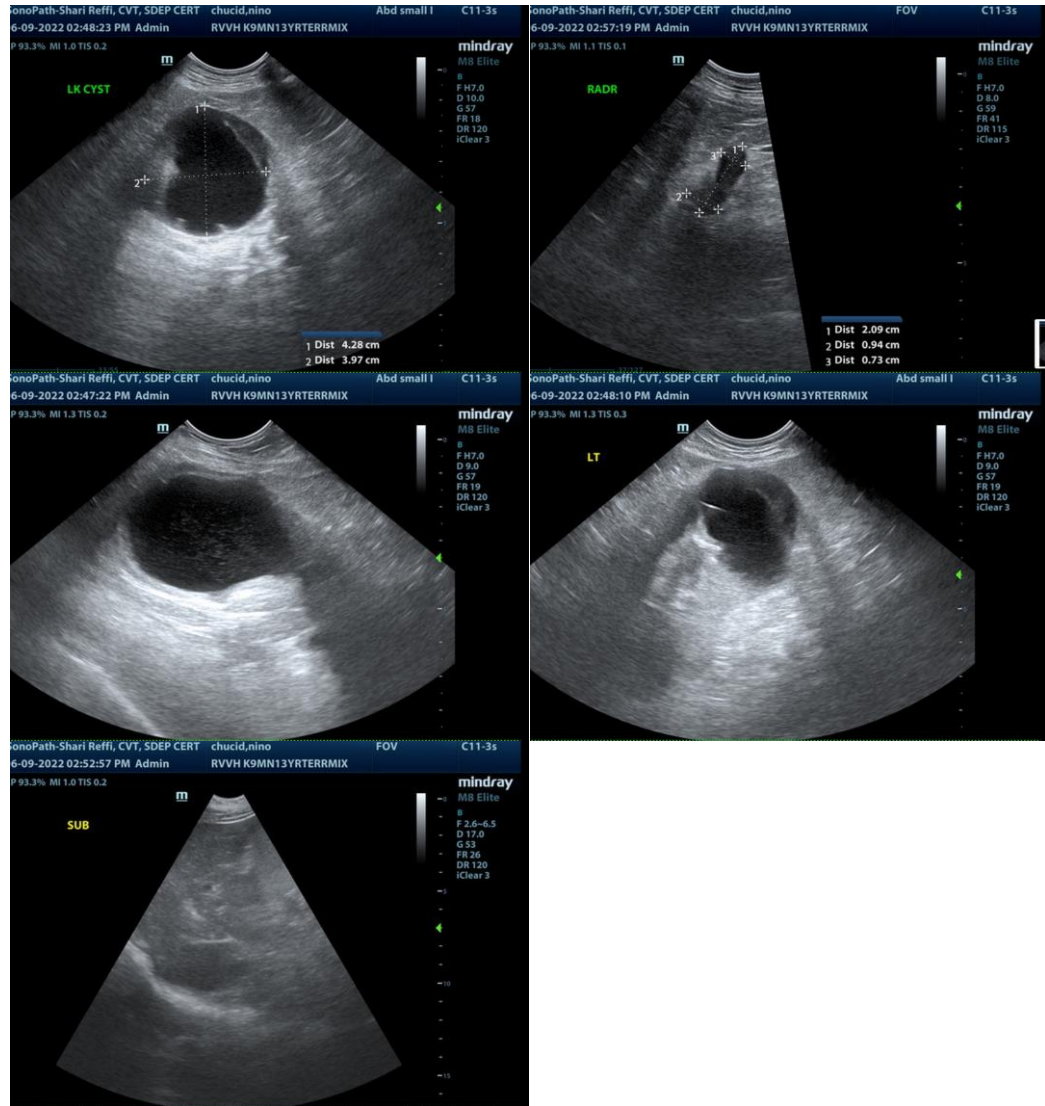
Dr. Verma

INVOICE

10767ag

DATE

06/09/2022



The information and recommendations provided are based on the images presented by the referring veterinarian. 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