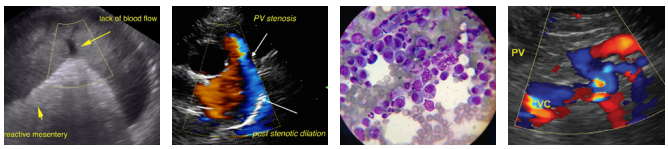
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT
Daisy Beck

SPECIES
Canine

BREED
Poodle Mix

SEX
Spayed female

AGE
14 years

WEIGHT
16.6 lbs

INTERPRETED BY
Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Dr. Wallisch

HOSPITAL NAME
Sondel Family VC

REFERRING VET
Dr. Wallisch

INVOICE
32224

DATE
8/8/22

PRESENTING CLINICAL SIGNS

History: History of kidney disease, per O. Decreased appetite, PU/PD.
PE WNL Chem: BUN 36, Cr 2.1 CBC: WNL UA: USG 1.012, otherwise WNL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction and appeared normal. The ureters were not visible which is normal. The bladder revealed sand and debris and was non-obstructive at the time of the sonogram. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

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 his age patient. Medullary structure differed distinctly from that of the cortex. Mineralization and cortical cysts were noted in the kidneys along with mild pyelectasia. Blood flow to the kidneys appeared to be adequate on power doppler assessment. Both kidneys measures 3.5 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 0.6 cm. The right adrenal gland measured 0.8 cm at the cranial pole and 0.56 cm at the caudal pole.

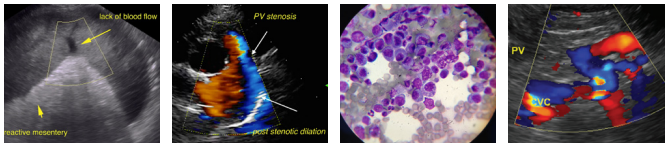
Spleen

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.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some 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 was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT
Daisy Beck

SPECIES
Canine

BREED
Poodle Mix

SEX
Spayed female

AGE
14 years

WEIGHT
16.6 lbs

INTERPRETED BY
Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Dr. Wallisch

HOSPITAL NAME
Sondel Family VC

REFERRING VET
Dr. Wallisch

INVOICE
32224

DATE
8/8/22

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.

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.

ULTRASONOGRAPHIC FINDINGS

Bladder sand.

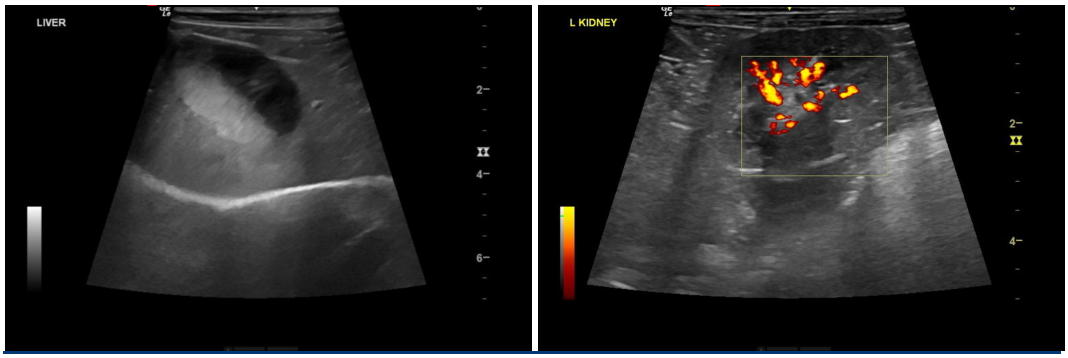
Moderate degenerative renal changes with mineralization and pyelectasia. Moderate degenerative changes.

Age related hepatic changes.

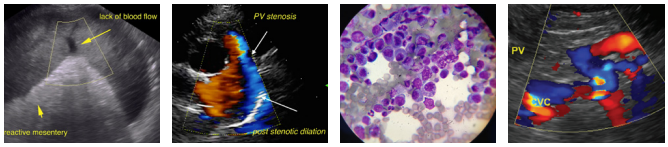
Gallbladder sludge.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full urinary work-up is warranted as well as culture and sensitivity. Medical management should prove effective in liberating the sand and debris. The kidneys appeared subjectively near end stage. However, passage of calculi, concurrent UTI and hypertension may all be playing a role in the current renal failure. 72-hour IV fluid protocol, treatment for any evidence of UTI and hypertension is indicated along with reassessment of the renal profile.



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Daisy Beck

SPECIES

Canine

BREED

Poodle Mix

SEX

Spayed female

AGE

14 years

WEIGHT

16.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Wallisch

HOSPITAL NAME

Sondel Family VC

REFERRING VET

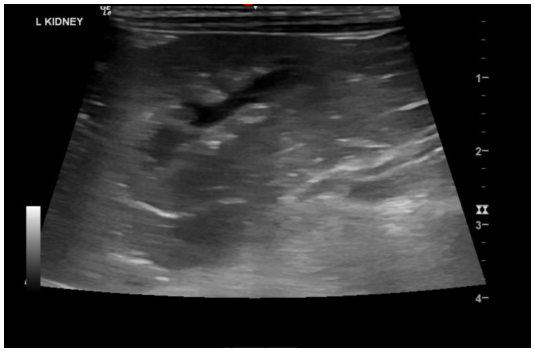
Dr. Wallisch

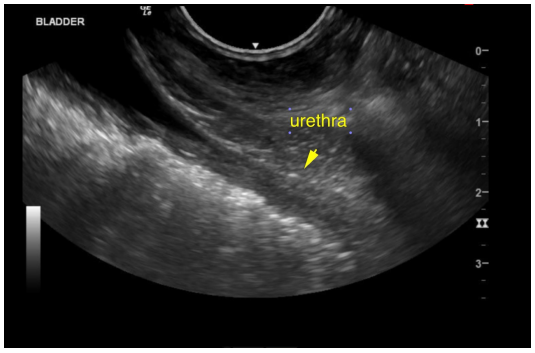
INVOICE

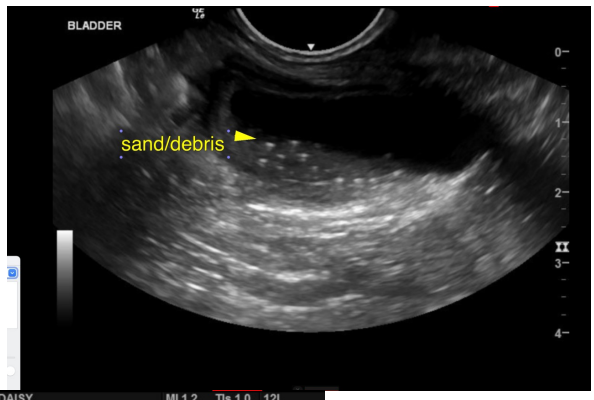
32224

DATE

8/8/22







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