



PATIENT

Taco Kirk

SPECIES

Canine

BREED

Chihuahua

SEX

Intact Female

AGE

6 Months 4 Weeks

WEIGHT

1.72 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (CFM), Cert.
IVUS

IMAGING PERFORMED BY

Dr. Mariusz
Chmielinski, DVM

HOSPITAL NAME

Apex VS

REFERRING VET

Alpine 24/7 ER Doctor

INVOICE

35095

DATE

12/26/25

PRESENTING CLINICAL SIGNS

History: Presented to the clinic for concerns for UTI and pyelonephritis on Dec 24th. Was seen by rDVM day before for concerns regarding lethargy and inappetance. Mild azotemia on gen BW. Mild azotemia on gen BW in October.

Abnormal PE/Chem/CBC/UA Results: Temp: 38.2C HR: 120/bpm Respiratory Rate: 28/min Mucous Membranes: pink, moist CRT: <2sec BP: 163/126 (133) BW done at 11:30 am (Dec 24th) CBC: WNL (RBC indices low end of normal) Chem: BUN >46.4, creat 330, Phos 4.90, Chlo 9.4 UA: USG 1.014, 500 leuk, no bacteria urine culture pending.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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. Ureteral papillae were normal.

Both **kidneys** revealed significant disrupted architecture with irregular renal pelvises and pyelectasia. Nodular irregular cortical changes were also noted. Renal biopsy would be necessary for definitive diagnosis, however, given the age, clinical history, and sonographic appearance of the kidneys, primary renal dysplasia is likely, which is a congenital issue. The right kidney measured 2.4 cm. The left kidney measured 2.86 cm. Blood flow to both kidneys was subnormal, consistent with chronic disease on top of renal dysplasia. Both ureters were slightly dilated up to 4.0 mm. The termination of the ureters was not able to be assessed; however, ectopic placement is likely.

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 0.29 cm at the cranial pole and 0.3 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 were noted.

Liver

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.

Gastrointestinal



PATIENT

Taco Kirk

SPECIES

Canine

BREED

Chihuahua

SEX

Intact Female

AGE

6 Months 4 Weeks

WEIGHT

1.72 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (CFM), Cert.
IVUS

IMAGING PERFORMED BY

Dr. Mariusz
Chmielinski, DVM

HOSPITAL NAME

Apex VS

REFERRING VET

Alpine 24/7 ER Doctor

INVOICE

35095

DATE

12/26/25

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

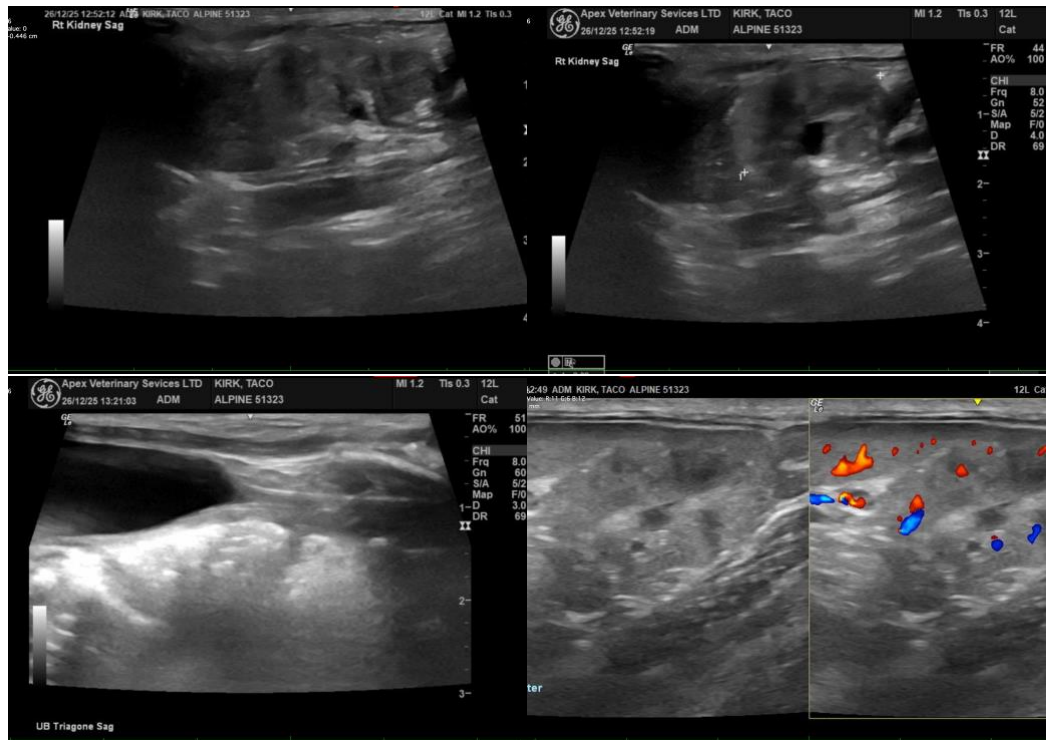
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Primary renal dysplasia pattern with likely ectopic ureter termination with secondary degenerative changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Prognosis is poor long term. Renal biopsy would be necessary for further definition.





PATIENT

Taco Kirk

SPECIES

Canine

BREED

Chihuahua

SEX

Intact Female

AGE

6 Months 4 Weeks

WEIGHT

1.72 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Dr. Mariusz
Chmielinski, DVM

HOSPITAL NAME

Apex VS

REFERRING VET

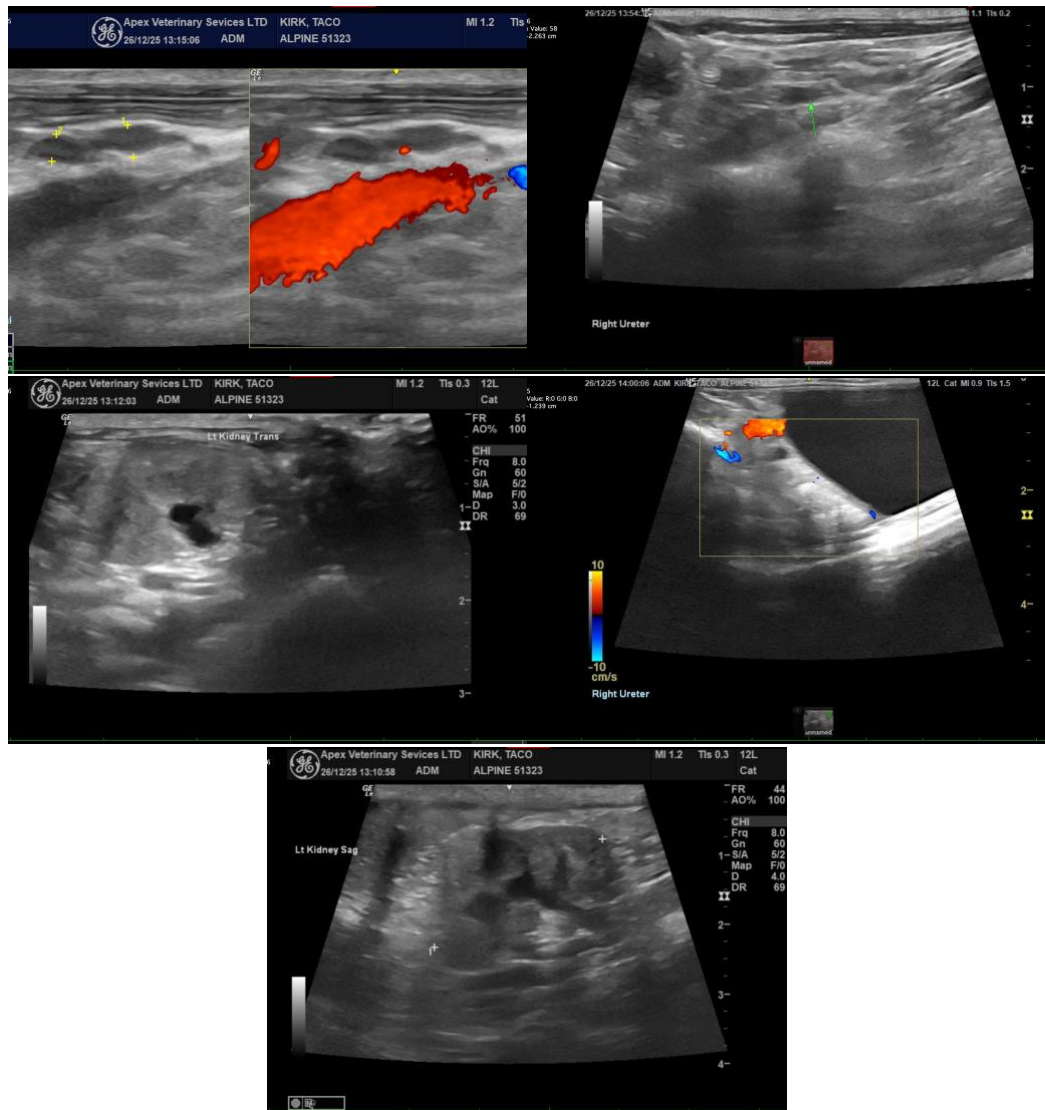
Alpine 24/7 ER Doctor

INVOICE

35095

DATE

12/26/25



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(CFM), Cert. IVUSS,
CEO, Owner, Founder -- SonoPath.com
info@SonoPath.com