



PATIENT PRESENTING CLINICAL SIGNS

Olive Walther Persistently high kidney values BUN and Creatinine. Low urine sp. grav.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine Urinary System

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.

BREED

Labrador Retriever

SEX

Spayed Female

The **left kidney** presented irregular contour and mild subnormal size with cortical infarcts and remodeling. Thickened irregular cortex noted and pyelectasia. The left kidney measured 5.35 cm.

AGE

2 Years

The **right renal fossa** was imaged, no recognizable renal tissue noted, most consistent with right renal aplasia.

Adrenal Glands

WEIGHT

27.8 kg

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 1.63 cm x 1.31 cm at the cranial pole and 0.51 cm at the caudal pole. The left adrenal gland measured 2.46 cm x 0.50 cm at the caudal pole and 0.68 cm at the crania pole.

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

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.

IMAGING PERFORMED BY

Crystal Hill

Liver

HOSPITAL NAME

Hespeler AH

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.

REFERRING VET

Dr. Bhinder

INVOICE

44486

Gastrointestinal

DATE

8/4/23

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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.



PATIENT *Pancreas*

Olive Walther

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.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

BREED

Labrador Retriever

- Right renal aplasia and moderate renal dystrophy of the left kidney/dysplasia – Primary renal dysplasia and aplasia likely playing a role in this patient.
- Partially full stomach

SEX

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

2 Years

I'm concerned long-term for renal viability in this patient owing to lack of viable tissue. Treatment for chronic renal failure indicated with the presumption of congenital aplasia/dysplasia. Renal biopsy would be necessary to confirm. Blood pressure measurements indicated. Any evidence of UTI should be addressed. 72-hour IV fluid protocol indicated.

WEIGHT

27.8 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Hespeler AH

REFERRING VET

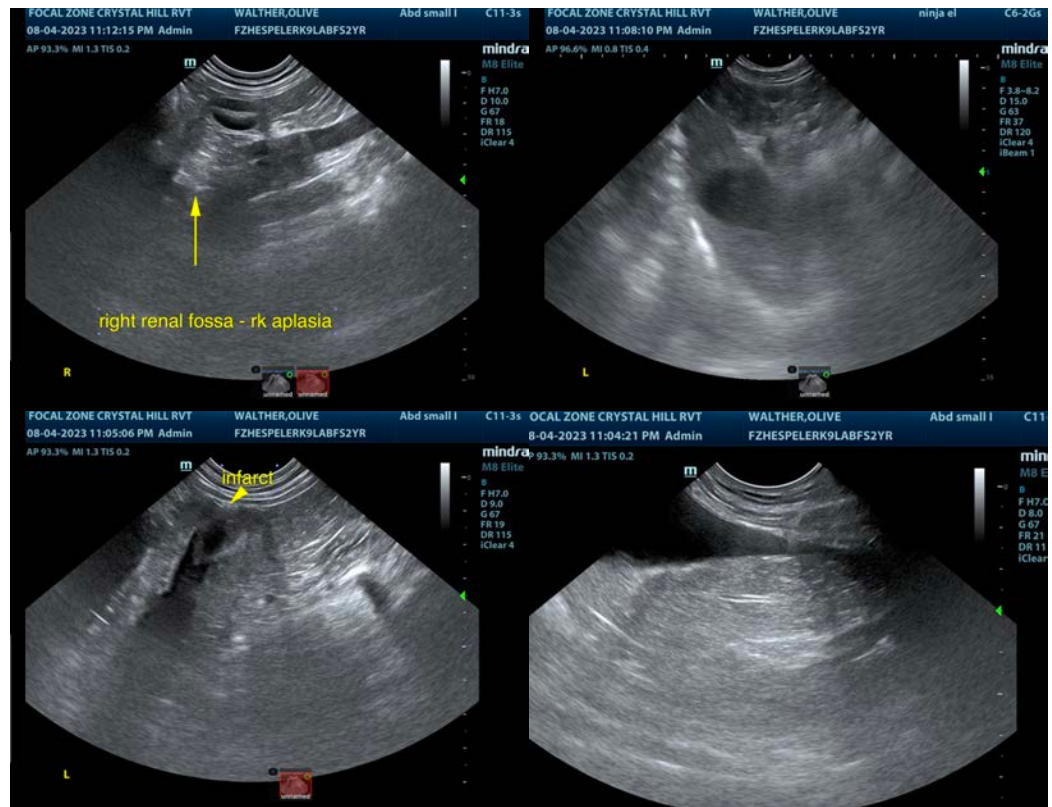
Dr. Bhinder

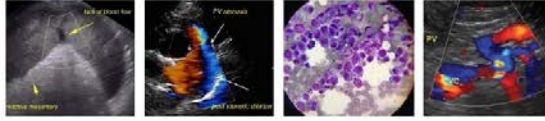
INVOICE

44486

DATE

8/4/23





PATIENT

Olive Walther

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed Female

AGE

2 Years

WEIGHT

27.8 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Hespeler AH

REFERRING VET

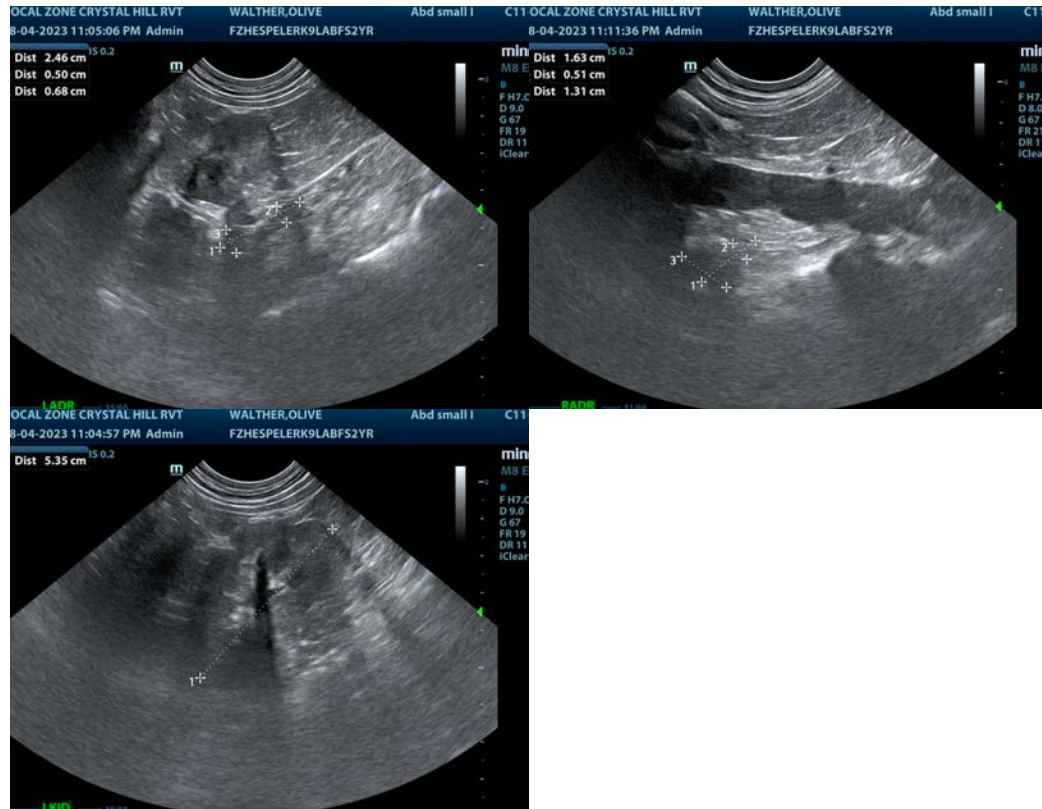
Dr. Bhinder

INVOICE

44486

DATE

8/4/23



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