



PATIENT PRESENTING CLINICAL SIGNS

Kyle Welsh History: last US showed liver hepatoma (fna/cyto 10/26/21) . Is on herbal supplement through holistic vet. LDDS on 7/7/21 not supportive of cushings.
Abnormal PE/Chem/CBC/UA Results: ALKP 1146; USPG 1.006

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

BREED

Mix

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

Neutered male

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. 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 left kidney measured 6.15 cm. The right kidney measured 7.0 cm.

AGE

13 years

Adrenal Glands

WEIGHT

57.2 lbs

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 3.93 x 2.0 cm at the cranial pole and 0.94 cm at the caudal pole. The left adrenal gland measured 0.5 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.

Diane McFadden, RVT

HOSPITAL NAME

Liver

Whippany VH

The **liver** revealed a pedunculated mass that measured 11 x 10 cm. The liver mass occupies the majority of the left liver and impinges upon the portal hilus. The two masses described on the prior sonogram appear to be coalescing into one mass. This may be resectable, yet impinges upon the portal hilus. The mass appears to be deviating the gastrointestinal tract caudally. Some areas of necrosis appeared to be present. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident.

REFERRING VET

Dr. Smith/Enoch

INVOICE

43135

Gastrointestinal

DATE

12/15/22

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 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*

Kyle Welsh 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

Further expansive left liver mass. Progressively expansive, pedunculated.

Mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Neutered male

CT with contrast is indicated with surgical consult. It may be benign, slow growing mass or a very low grade hepatocellular carcinoma. Regardless, surgical intervention is strongly recommended. Conversion from a benign to a low-grade malignant process is a strong potential. The malignancy of this mass from a sonographic perspective is deviation of the pyloric angle and space occupation as well as potential for necrosis and/or torsion.

AGE

13 years

ABOUT SONOPATH CT SERVICES:

WEIGHT

57.2 lbs

SonoPath CT Services are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/services/sonopath-ct-services>

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Whippany VH

REFERRING VET

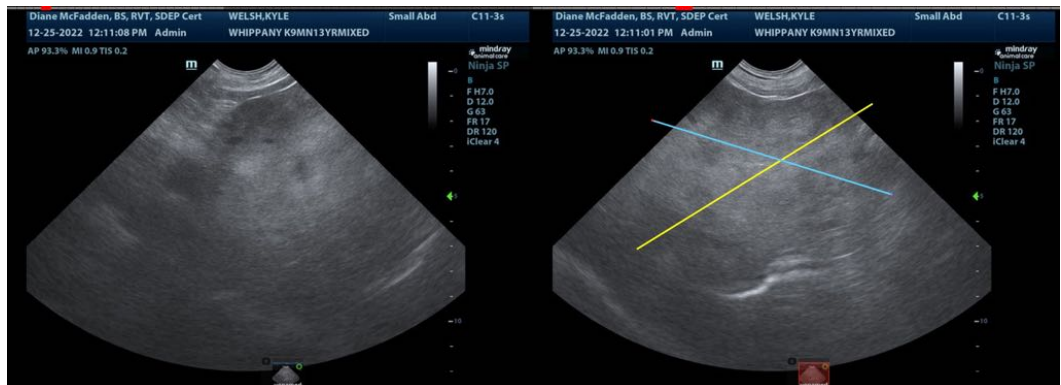
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PATIENT

Kyle Welsh

SPECIES

Canine

BREED

Mix

SEX

Neutered male

AGE

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WEIGHT

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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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
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