



PATIENT

Willow Wharton

PRESENTING CLINICAL SIGNS

P has a history of seizures and hypoglycemia. P has not had a seizure in 7 weeks and is doing well at home. P had a freestyle libre on, and her blood sugar dropped to the 50s a couple of times. Suspect P may have a liver shunt.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & ABDOMEN

Plain and post contrast studies available for review.

BREED

Chihuahua

COMPUTED TOMOGRAPHIC FINDINGS

Head

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

SEX

Female

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining. The osseous lining of the nasal cavities is intact.

AGE

2 Years

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits.

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

HOSPITAL NAME

Catskill Veterinary
Services, PLLC

The salivary glands present within normal limits.

The visible dentition is within normal limits.

REFERRING VET

Dr. Sarah Wright

Abdomen

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

INVOICE

59302

The adrenal glands are within normal limits for size, shape and organ architecture.

DATE

7-11-23

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.



PATIENT

Willow Wharton

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

SPECIES

Canine

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

The bony and surrounding soft tissue structures reveal no abnormalities.

BREED

Chihuahua

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Normal CT findings of the brain.
- No evidence of portosystemic shunt.

SEX

Female

No macroscopic vascular bypass of the liver was noted in the pre- and post-contrast studies of the abdomen. However, if the clinical signs are consistent with insufficiency of the liver, primary non-cirrhotic portal hypertension (microvascular dysplasia) or other diffuse parenchymal liver disease would still be a potential and should be ruled out by means of ultrasound guided or surgical liver biopsy.

AGE

2 Years

In general ultrasound guided Tru-cut biopsies of the liver may be performed with reasonably low potential for complications under the following conditions: platelet count $> 50 \times 10^3/\mu\text{l}$, $< 25\%$ prolongation of PT/PTT – less of deviation from normal values acceptable in presence of peritoneal effusion. The intensity of the post procedural patient monitoring needs to be tailored to the degree of deviation from normal reference ranges.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

No evidence of structural brain pathology is noted. Inflammatory/infectious, embolic/toxic, neurodegenerative, and cerebrovascular pathology cannot be ruled out and complementary CSF analysis could be considered.

HOSPITAL NAME

Catskill Veterinary
Services, PLLC

REFERRING VET

Dr. Sarah Wright

INVOICE

59302

DATE

7-11-23



PATIENT

Willow Wharton

SPECIES

Canine

BREED

Chihuahua

SEX

Female

AGE

2 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Catskill Veterinary
Services, PLLC

REFERRING VET

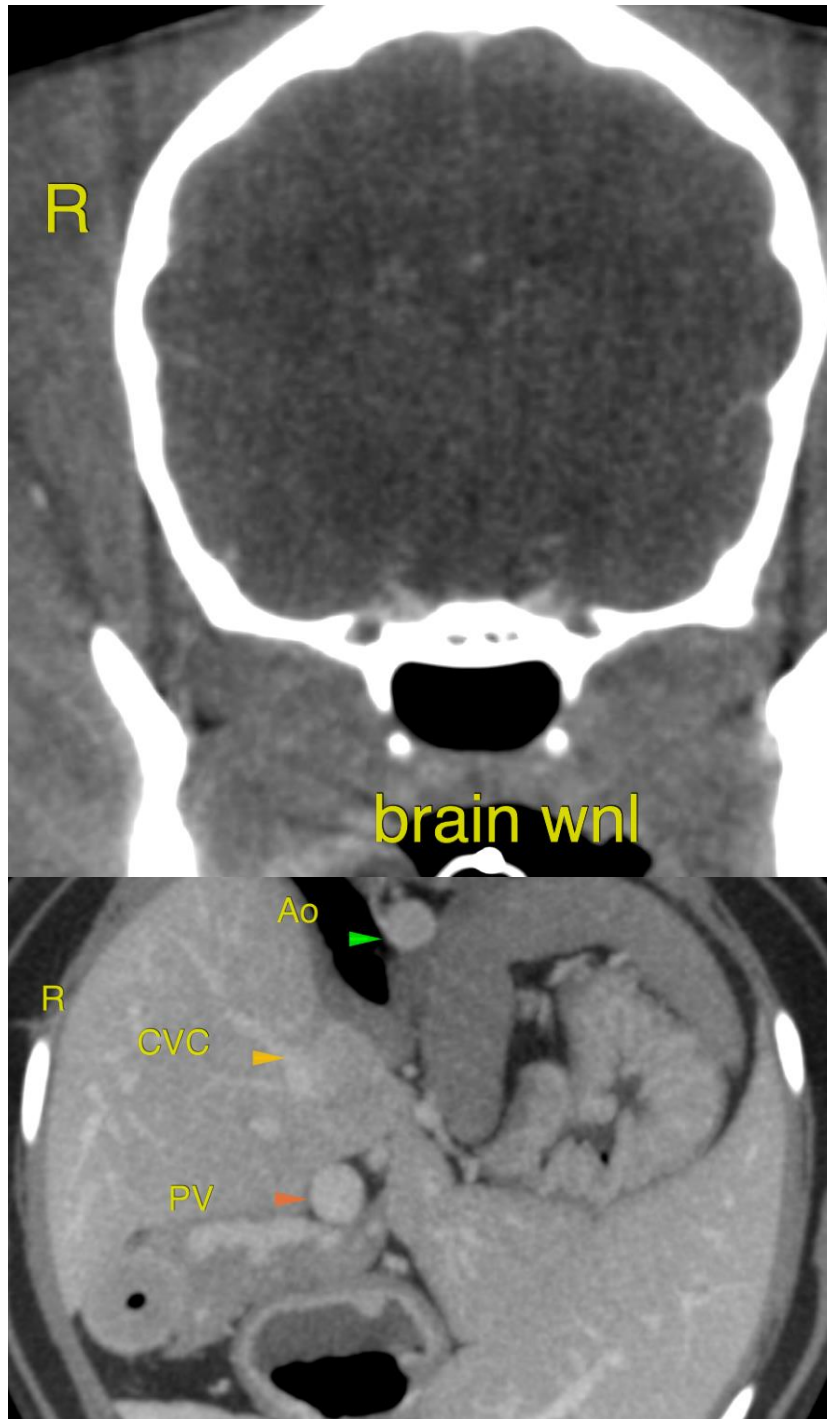
Dr. Sarah Wright

INVOICE

59302

DATE

7-11-23





PATIENT

Willow Wharton

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.

SPECIES

Canine

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
info@sonopath.com

BREED

Chihuahua

SEX

Female

AGE

2 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Catskill Veterinary
Services, PLLC

REFERRING VET

Dr. Sarah Wright

INVOICE

59302

DATE

7-11-23