



PATIENT

Maxine Wiest

PRESENTING CLINICAL SIGNS

Suspected liver shunt elevated bile acids.

Abnormal PE/Chem/CBC/UA Results: Elevated Values: PT-18.0 secs, PTT-133.0, Bile Acids-122.0 umol/L, WBC-24.66K/uL, Neutrophils-19.36K/uL, Monocytes- 1.77K/uL, ALT-360 Decreased Values:Hemoglobin-12.8g/dL, MCV-56.6fL, MCH-19.1pg, Reticulocyte Hemoglobin-19.6pg, Creatinine-0.4mg/dL, Total Protein-4.7g/dL, Albumin-2.2g/dL, Cholesterol-85mg/dL

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

BREED

Welsh Corgi Mix

A high resolution pre- and post-contrast CT study of the thorax and abdomen are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Spayed Female

Thorax

The bony and surrounding soft tissue structures are within normal limits.

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits.

AGE

7 Months, 2 Weeks, 3 Days

The cardiovascular structures including the pulmonary vasculature are within normal limits.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

The left cranial lung lobe presents small regions with dystelectasis. The lung parenchyma presents the expected architecture and attenuation behavior.

HOSPITAL NAME

Neel Veterinary Hospital

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

Abdomen

REFERRING VET

Deepan Kishore, DVM, MS, DABVP

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

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

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

DATE

10-18-21

The portal vein presents a normal order of its tributary veins. The right intrahepatic branch of the portal vein is moderately dilated and there is an intraparenchymal anomalous vascular loop dividing into multiple smaller tortuous intrahepatic vessels that drain into a significantly dilated



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right gastric vein. The left intrahepatic branch of the portal vein presents a moderately decreased diameter and the intrahepatic portal branches can only be appreciated up to the first order vessels.

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

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

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The bony and surrounding soft tissue structures reveal no abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

Spayed Female

- Right sided congenital intrahepatic portosystemic shunt with multiple collaterals, draining to the right hepatic vein
- Normal thorax

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

7 Months, 2 Weeks, 3 Days

The findings of the current CT study are consistent with a right sided intrahepatic portosystemic shunt with multiple venous collaterals.

Interventional shunt attenuation should be considered and is likely to prove beneficial in this type of anomaly.

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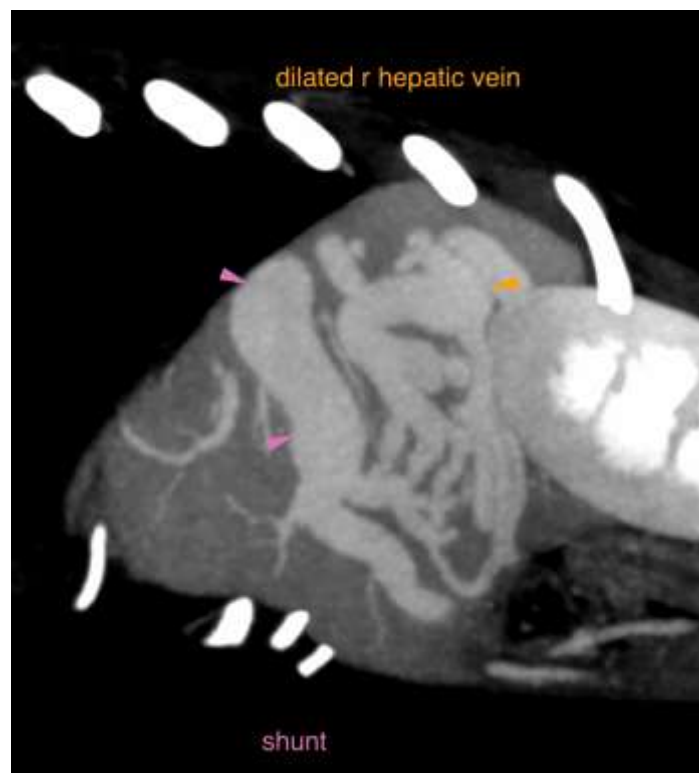
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
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