



PATIENT PRESENTING CLINICAL SIGNS

Lulu AEHV Lulu is a 5m FI mixed breed dog presenting for lethargy. Yesterday, the patient got into the trash then vomited up beef and noodles but ate last night. Today, the patient has been more lethargic/quieter and appears to be moving slowly. Not as interested in food and not acting herself. The patient had a similar episode a few months prior after vaccine boosters which improved with antibiotics per O. P did have boosters again ~2 weeks ago and hasn't been acting herself since. Historically healthy otherwise as far as the O is concerned.
Abnormal PE/Chem/CBC/UA Results: abnormal bile acids

BREED COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

SEX COMPUTED TOMOGRAPHIC FINDINGS

Female Thorax

The bony and surrounding soft tissue structures are within normal limits, the growth plates are age related open.

AGE

5 Months 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.

INTERPRETED BY

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

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

HOSPITAL NAME

Animal Emergency
 Hospital Volusia

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 lung parenchyma presents the expected architecture and attenuation behavior.

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

REFERRING VET

Alyssa Carver

Abdomen

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

INVOICE

50986

Both kidneys present within a moderately increased volume and normal shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

DATE

3-16-22

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

The hepatic volume is moderately decreased, and the gastric axis is oriented cranially. The hepatic parenchyma is uniform soft tissue attenuating and contrast enhancing.



PATIENT

Lulu AEHV

There is only limited contrast enhancement of the portal vein in the cranial abdomen. The portal vein presents a decreased diameter cranial to the splenic vein. The splenic vein is dilated, and a short anomalous vascular loop is bending dorsally and medially, draining into the caudal vena cava from the left. The diameter of the abnormal vessel is approximately 4.5 mm.

SPECIES

Canine

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

BREED

Mix

Sacralization of L7 is seen, presenting a transverse process on the left side and articulates with the iliosacral joint on the right side.

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

Female

- Single congenital extrahepatic portosystemic shunt, left gastric vein to caudal vena cava (left gastric shunt)
- Mild microhepatica
- Renomegaly
- Normal thorax

AGE

5 Months

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although there is limited contrast enhancement of the portal venous system, the findings are consistent with a congenital single extrahepatic portosystemic shunt, likely originating from the left gastric vein draining to the caudal vena cava by a short vascular loop – repeating the CT study in a portal venous phase will help to better visualize the shunt vessel. Hepatic encephalopathy is a potential cause for the neurological clinical signs.

Surgical intervention by a slow progressive closure technique (ameroid constrictor, cellophane banding) is the therapy of choice. Empirical treatment until surgery along with feeding of a hepatic diet is recommended.

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PATIENT

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SPECIES

Canine

BREED

Mix

SEX

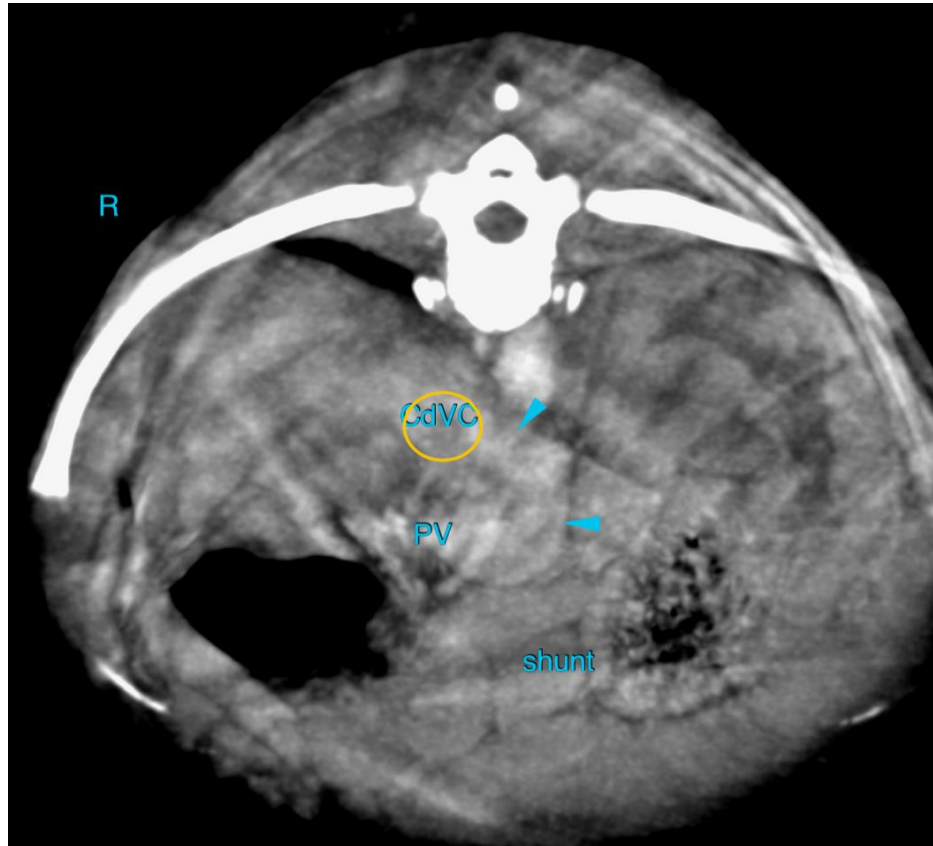
Female

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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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com