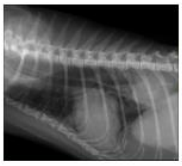
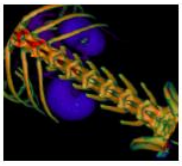
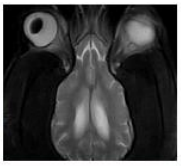

EDUCATIONAL TELECONSULTATION SERVICES™
SonoPath.com
1-800-838-4268 info@sonopath.com

**PATIENT**

Moses Deering

**SPECIES**

Canine

**BREED**

Labrador Retriever

**SEX**

Intact Male

**AGE**

6 Months

**INTERPRETED BY**

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

Mobile Pet Imaging

**REFERRING VET**

Meaux

**INVOICE**

54129

**DATE**

9-19-22

## PRESENTING CLINICAL SIGNS

Elevated liver enzymes, asymptomatic. Elevated bile acids
Abnormal PE/Chem/CBC/UA Results: AST (SGOT) 93 ALT (SGPT) 283 Alk Phosphatase 285 Bile acids 391, post 18

## COMPUTED TOMOGRAPHY OF THE ABDOMEN

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

## COMPUTED TOMOGRAPHIC FINDINGS

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.

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.

No gallbladder is appreciated, the common bile duct is dilated, measuring 8 mm in diameter.

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.

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.

The bony and surrounding soft tissue structures reveal no abnormalities

## COMPUTED TOMOGRAPHIC DIAGNOSIS

- Suspect agenesis of the gallbladder and non-obstructive dilation of the common bile duct
- No evidence of portosystemic shunting, neither intra- nor extrahepatic

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No macroscopic vascular bypass of the liver was noted in the pre- and post- contrast studies of the abdomen. However, there is evidence of agenesis of the gallbladder and accompanying dilation of the common bile duct. As these abnormality can go along with ductal plate abnormalities, this might be a source for the respective laboratory findings.* Surgical liver biopsy would be ideal for further assessment of potential secondary hepatic disease.

* Sato K, Sakai M, Hayakawa S, Sakamoto Y, Kagawa Y, Kutara K, Teshima K, Asano K, Watari T. Gallbladder Agenesis in 17 Dogs: 2006-2016. J Vet Intern Med. 2018 Jan;32(1):188-194. doi: 10.1111/jvim.15034. PMID: 29377355; PMCID: PMC5787189.

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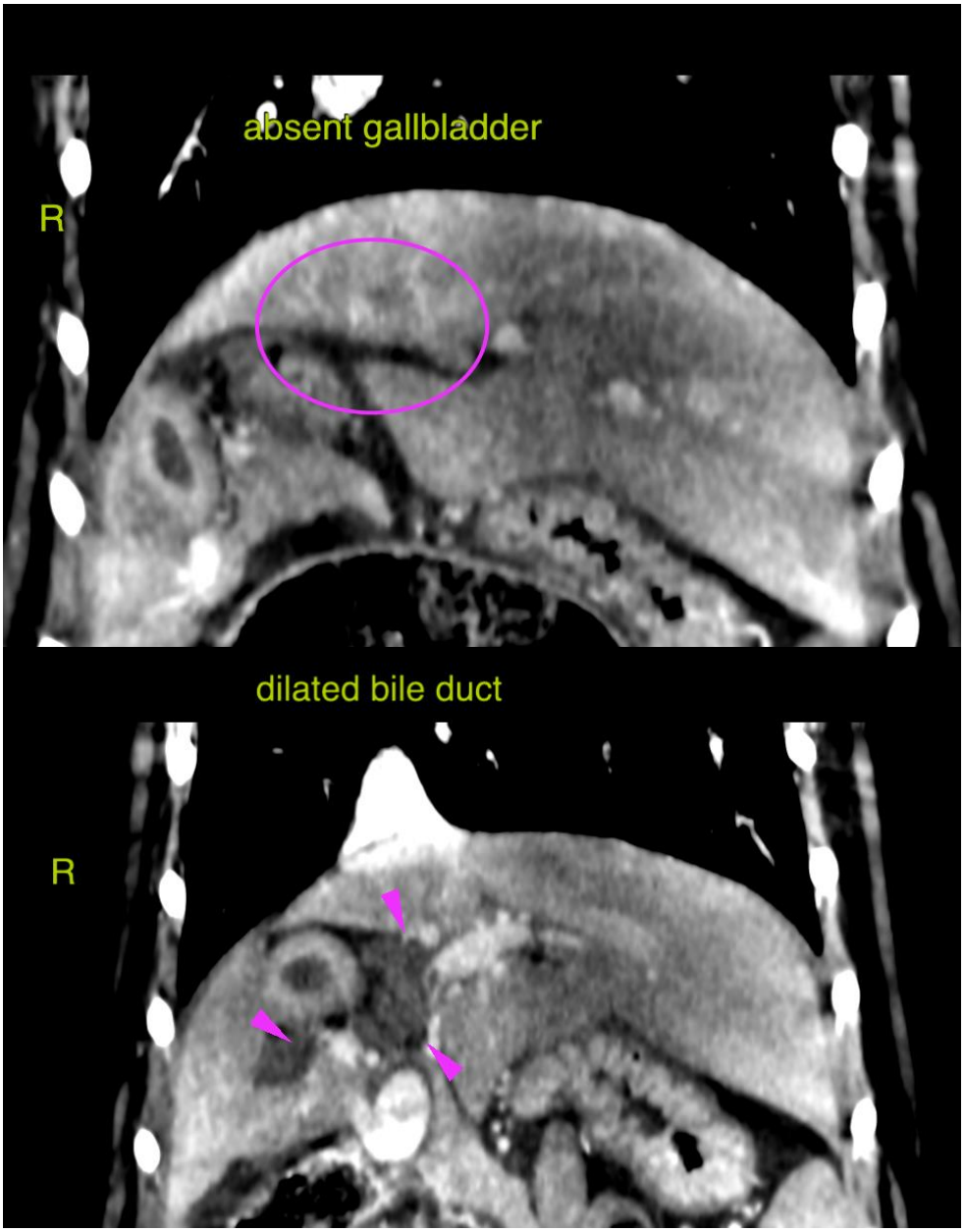

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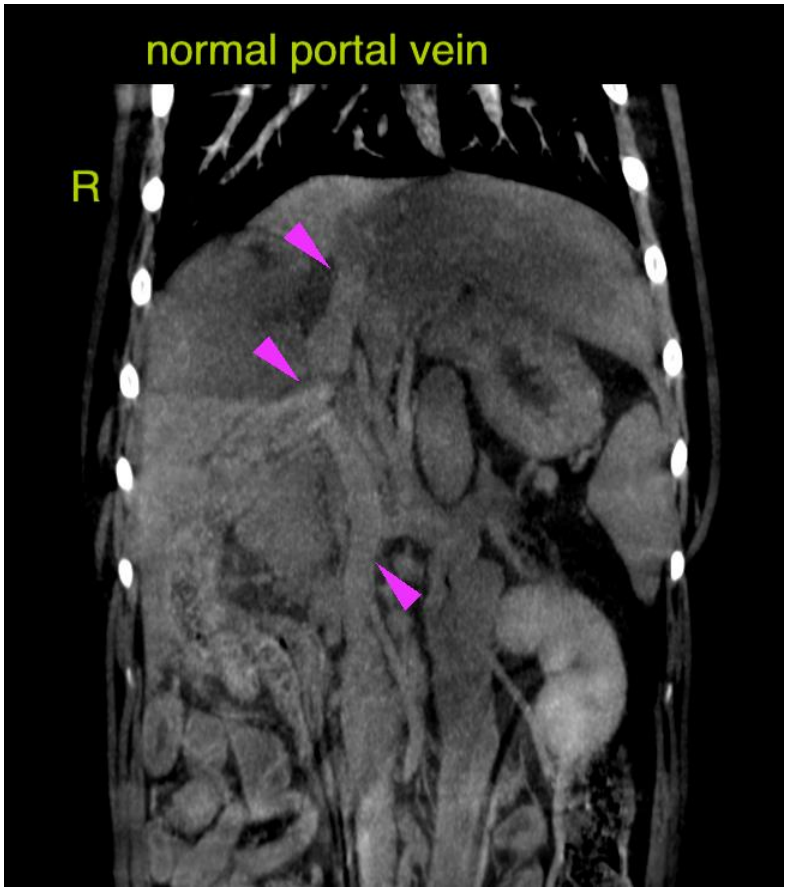


**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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