



**PATIENT PRESENTING CLINICAL SIGNS**

Luna Maxwell History: p presented for coughing and vomiting in house bloodwork shows evidence of liver shunt p scheduled for surgery next week

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN**

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

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

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

**SEX** 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.

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

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

3 Months The hepatic volume is moderately increased, the hepatic parenchyma is uniform soft tissue attenuating and contrast enhancing.

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

Originating from the left gastric vein, a short vascular loop is turning dorsally and medially, draining into the caudal vena cava from the left, cranial to the left renal vein. The anomalous vascular loop is measuring 6.0 mm in diameter, just lateral to the caudal vena cava. The segment of the portal vein cranial to the splenic vein is tapering in its course cranially. The intrahepatic branches of the portal vein can be appreciated up to fist order.

**HOSPITAL NAME**

Dr. Alyssa Carver

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

**REFERRING VET**

Animal Emergency  
Hospital, Volusia

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**

- INVOICE**
- Single congenital extrahepatic portosystemic shunt, left gastric vein to caudal vena cava (left gastric shunt)
  - Microhepatica
- 16155

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

6/17/22



**PATIENT**

Luna Maxwell

The findings are consistent with a congenital single extrahepatic portosystemic shunt originating from the left gastric vein. Secondary microhepatica.

**SPECIES**

Canine

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.

**BREED**

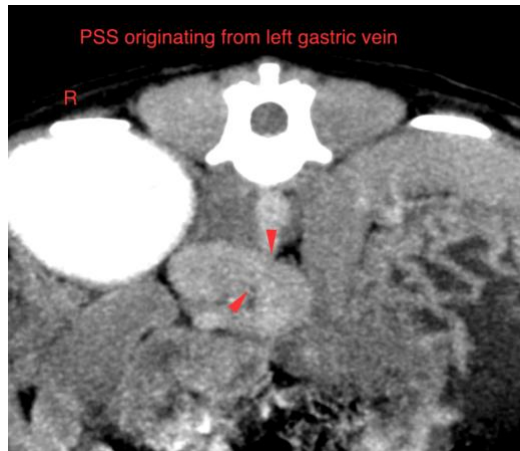
Miniature Schnauzer

**SEX**

Female

**AGE**

3 Months



**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.**

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

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.

**HOSPITAL NAME**

Dr. Alyssa Carver

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

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