



PATIENT PRESENTING CLINICAL SIGNS

Opie Washo History: Presented for elevated liver enzymes and a hepatic mass on ultrasound. Biopsies show a neuroendocrine carcinoma.

SPECIES Abnormal PE/Chem/CBC/UA Results: None

Feline **COMPUTED TOMOGRAPHIC STUDY OF THE THORAX AND ABDOMEN**

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

DSH **COMPUTED TOMOGRAPHIC FINDINGS**

SEX Thorax

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

AGE 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.

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

INTERPRETED BY 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.

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

HOSPITAL NAME

Northeast VRH **Abdomen**

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

REFERRING VET

Dr. Runde The right kidney presents mild irregular margins. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

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

13345 The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

DATE

9/29/21



PATIENT Opie Washo
SPECIES Feline

Multiple variable sized, post contrast heterogeneous hypoattenuating roundish mass lesions are seen throughout all hepatic lobes; the largest hepatic mass is measuring up to 7.2 cm in size. Multiple post contrast hypoattenuating tubular structures are seen throughout the hepatic parenchyma, protruding beyond the surface of the spleen. The portal vein level with the hepatic hilus, presents a central filling defect occupying the complete cross-sectional area. The intrahepatic portal branches cannot be appreciated. Originating from the splenic vein/left gastric vein, multiple small tortuous vessels are visible draining into the dilated left renal vein. The gastric axis is displaced caudally by the mass effect of the liver.

BREED DSH

The pancreas has mild irregular margins, 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.

SEX Neutered Male

The bony and surrounding soft tissue structures reveal no abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- AGE** 6 Years
- Variable sized hepatic masses multifocal throughout all liver lobes
 - Thrombosis of the portal vein with secondary multiple acquired portosystemic shunts
 - Dilation of the intrahepatic biliary tree
 - Right sided chronic nephropathy
 - Structural normal thorax, no evidence of pulmonary metastatic disease

INTERPRETED BY

Sebastian Schaub,
 DVM Dr. med. vet.
 DipECVDI

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The findings are consistent with diffuse neoplastic transformation of the liver – history of neuroendocrine carcinoma – and secondary thrombosis of the portal vein and acquired extrahepatic portosystemic shunting. The dilated biliary tree is likely a sequela to obliteration of the biliary vessels in the hilar region of the liver. There are no surgical treatment options and management is limited to palliative options. The long term prognosis is poor.

HOSPITAL NAME

Northeast VRH

REFERRING VET

Dr. Runde

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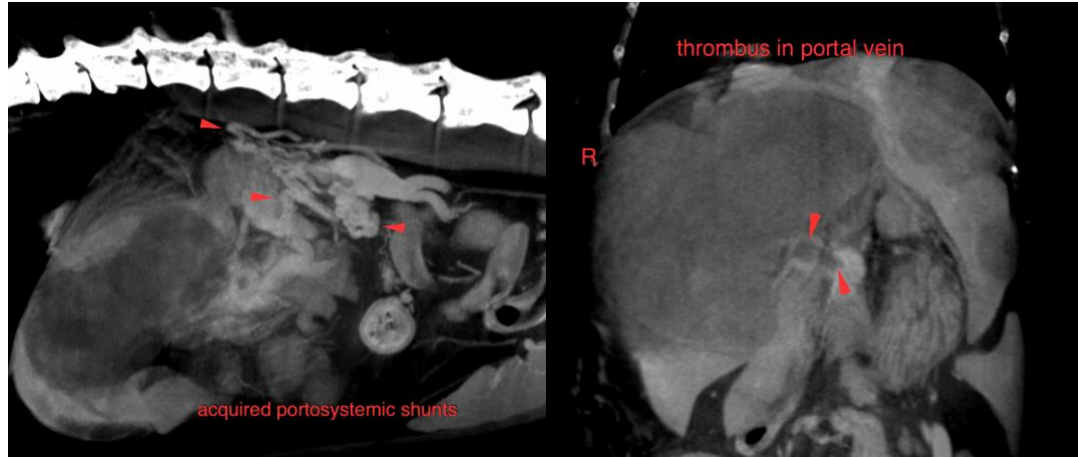
Opie Washo

SPECIES

Feline

BREED

DSH

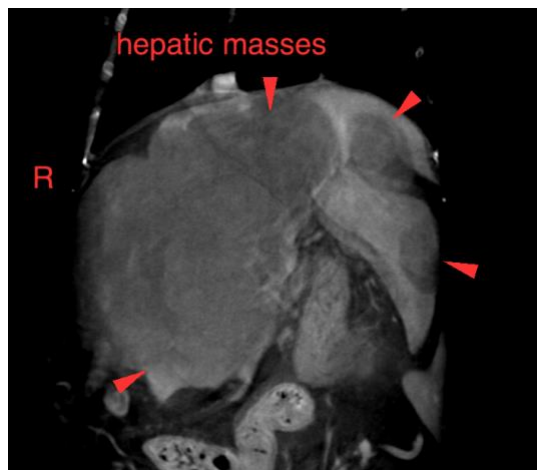


SEX

Neutered Male

AGE

6 Years



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Northeast VRH

REFERRING VET

Dr. Runde

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.

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.

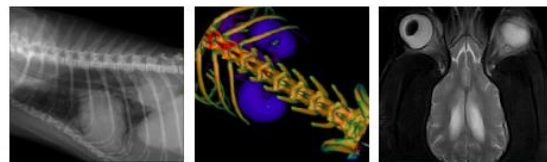
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Neutered Male

AGE

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