



PATIENT PRESENTING CLINICAL SIGNS

PATIENT
Scooter Spieler
SPECIES
Canine
BREED
Beagle

Scooter presented for a right adrenal mass. Owner reports Scooter was having GI upset. The referring DVM sent him for an outpatient ultrasound. THE GI signs resolved, but a right adrenal mass was found as an incidental finding. The mass is noted to have a thrombus invading the caudal vena cava. No other diagnostics have been performed.

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

SEX
MN
AGE
11 Years

The intervertebral disc space C6/C7 is moderately narrowed, and the subchondral bone of the respective vertebral endplates presents a moderate sclerosis and ventral spondylosis formation.

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.

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

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 is hypoinflated and presents the expected architecture with small regions of dystelectasis of the ventral tips of the cranial lung lobes.

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

Abdomen

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.

Originating from the right adrenal gland, an irregular fusiform mass is visible, measuring approximately 1.7 x 2.0 x 3.8 cm in size . The right adrenal mass is in contact with the caudal vena cava, that is markedly distended – measuring 3.0 cm in diameter – presenting a central heterogeneous filling defect, extending cranially up to the hepatic segment of the caudal vena cava. The right phrenicoabdominal vein is markedly distended and can be appreciated as tubular structure extending to the right lateral abdominal wall level with L4; a filling defect with a heterogeneous contrast enhancement pattern is seen in the right phrenicoabdominal vein.

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

HOSPITAL NAME
Animal Surgical
Center

REFERRING VET
Carman Ave Vet
Hospital

INVOICE
51485

DATE
4-12-22



PATIENT

The left adrenal gland is within normal limits for size, shape and organ architecture.

Scooter Spieler

The subcutaneous veins are prominent.

SPECIES

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma. The spleen presents a mild heterogeneous contrast enhancement pattern with roundish intraparenchymal hyperattenuating lesions.

Canine

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

BREED

Beagle

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

SEX

A cutaneous wart like lesion is protruding from the cutaneous surface, dorsal to the lumbar spine. The pictured parts of both stifle joints present moderate osteophyte new bone formation.

MN

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Right adrenal soft tissue mass with vascular invasion of the caudal vena cava and phrenicoabdominal vein
- Secondary evidence of obstruction of the caudal vena cava, bypassed by the subcutaneous veins
- Heterogeneous contrast enhancement pattern of the spleen – most consistent with nodular hyperplasia
- Chronic discopathy C6/C7
- Cutaneous wart-like lesion
- No evidence of pulmonary metastatic disease

AGE

11 Years

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

Animal Surgical
Center

The findings are fitting the history of right adrenal mass with large tumor thrombus in the caudal vena cava (including the hepatic segment) and the phrenicoabdominal vein (up to the right lateral abdominal wall). Differentials are adenocarcinoma or pheochromocytoma. Complete surgical excision of the right adrenal mass appears not feasible, due to the large thrombus in the caudal vena cava.

REFERRING VET

Carman Ave Vet
Hospital

INVOICE

51485

DATE

4-12-22



PATIENT

Scooter Spieler

SPECIES

Canine

BREED

Beagle

SEX

MN

AGE

11 Years

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

Animal Surgical
Center

REFERRING VET

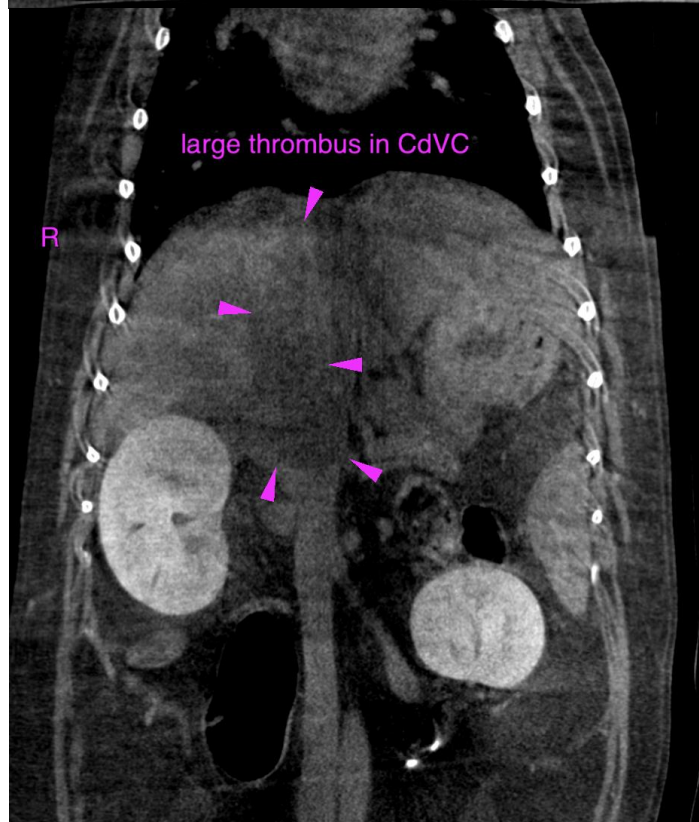
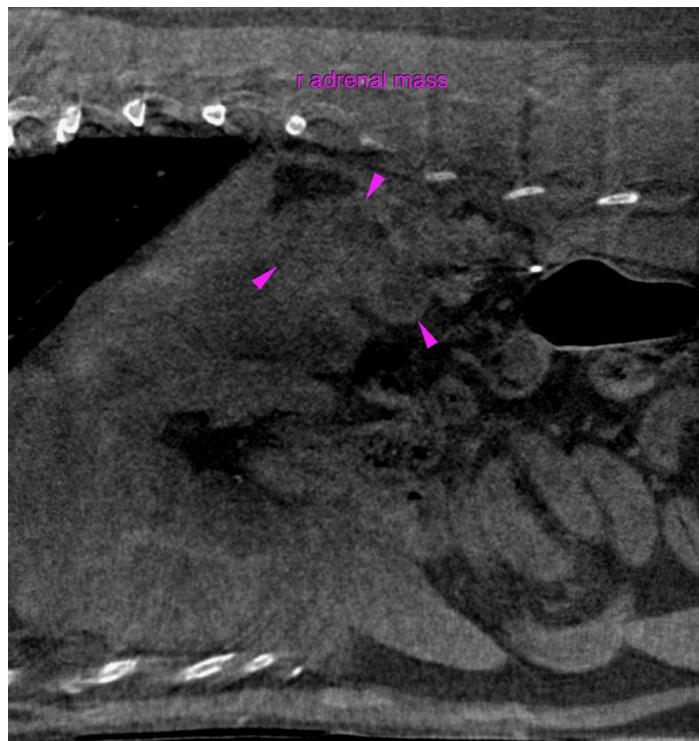
Carman Ave Vet
Hospital

INVOICE

51485

DATE

4-12-22





PATIENT

Scooter Spieler

SPECIES

Canine

BREED

Beagle

SEX

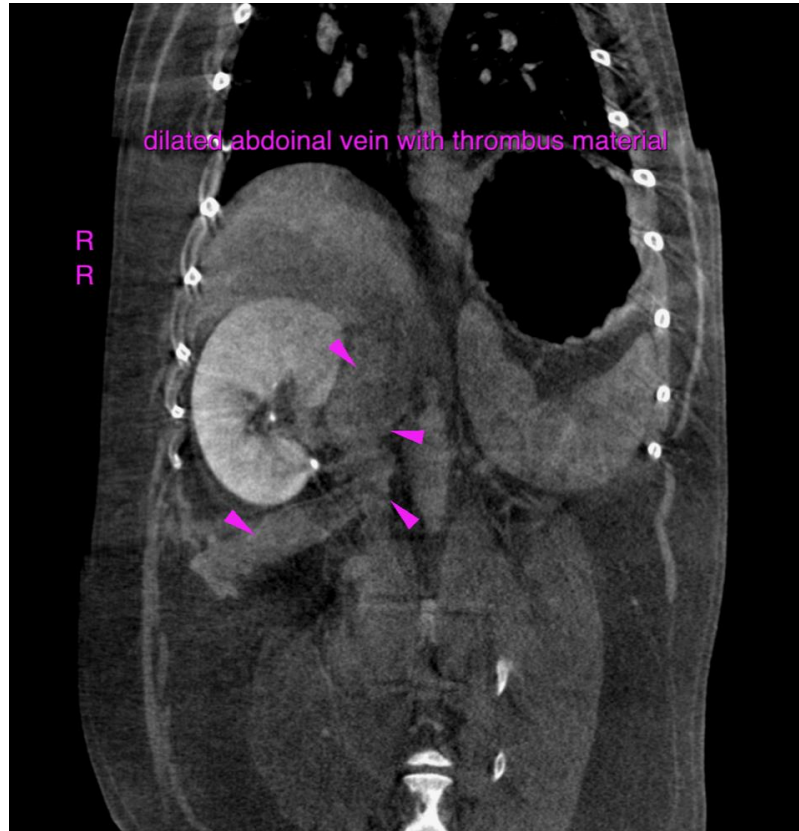
MN

AGE

11 Years

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI



HOSPITAL NAME

Animal Surgical
Center

REFERRING VET

Carman Ave Vet
Hospital

INVOICE

51485

DATE

4-12-22

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