



PATIENT

Miss Penny Green

PRESENTING CLINICAL SIGNS

Presented for lethargy, not eating well, fever, Abnormal PE/Chem/CBC/UA Results: Elevated alt/alp, hct 33.1%,

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX AND ABDOMEN

A pre- and post-contrast CT study of the thorax and abdomen are provided for review. Two thoracic series and two abdominal series are available.

BREED

Golden Retriever

COMPUTED TOMOGRAPHIC FINDINGS

Abdomen

There is a markedly large, lobular, irregular, and hypoattenuating mass occupying the right middle hepatic lobe, the papillary process of the caudate lobe, and apparently a portion of the left middle hepatic lobe. The parenchyma is also diffusely enlarged, and other multifocal small rounded, hypoattenuating, non-enhancing lesions are seen. The large mass measures approximately 11.0cm x 9.8cm x 11.9cm. The small lesions measure approximately 1.0cm.

SEX

FS

The gallbladder is dislocated to the left mid-line abdomen and filled with hypoattenuating fluid material.

AGE

8

The portal vein is tortuous and dilated in the porta-hepatis.

The spleen is diffusely enlarged, homogenously soft tissue attenuating, with normal shape and contour.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The renal silhouettes are normal in size, shape, contour, and attenuation. The renal length is 7.4cm in the right kidney and 6.9cm in the left kidney.

The stomach is moderately filled and caudally dislocated due to the liver mass and contains gas admixed with heterogenous soft tissue attenuating material – ingesta, fluid, and gas.

HOSPITAL NAME

Northeast Veterinary Referral Hospital

The duodenum and small intestine are nondilated and contain a small amount of fluid and gas.

The colon contains gas admixed with soft tissue and mineral attenuating fecal material.

There is mild fat-stranding of the mesenteric fat.

REFERRING VET

Dr. Runde

The pancreas and adrenal glands are normal.

Multiple abdominal lymph nodes are mildly to moderately enlarged including the pancreato-duodenal, hepatic, mesenteric, and medial iliac lymph nodes.

INVOICE

56509

The urinary bladder is mildly filled, with the apex in the plane of L7, and is homogeneously soft tissue opaque.

The ovaries and uterus are not visible.

DATE

2-1-23



PATIENT Multifocal thoracic and lumbar intervertebral disc spaces are mildly narrowed with complete or incomplete bridging spondylosis deformans.

Miss Penny Green

Thorax

SPECIES A large well-defined ovoid-shaped soft tissue attenuating mass spans the second to third sternebra ventrally within the cranial mediastinum. It measures approximately 4.0cm x 3.0cm x 4.1cm.

Canine

There are multiple, variably sized, rounded, ovoid, attenuating structures within the cranial mediastinum with the largest measuring approximately 2.6cm x 2.1cm.

BREED

Golden Retriever

The peripheral lung lobes are reduced in volume dorsally with an associated alveolar pattern and a consequence of passive atelectasis. No evidence of pulmonary soft tissue nodules.

The pleural space is normal.

SEX

The cardiac silhouette and pulmonary vasculature are normal.

FS

COMPUTED TOMOGRAPHIC DIAGNOSIS

AGE

8

- Large non-contrast enhancing hepatic mass affecting multiple hepatic lobes, however more severe damage within the right middle hepatic lobe and the papillary process of the caudate lobe with tortuous and dilated portal vein. Differential diagnosis includes hepatic neoplasia, hepatic neoplasia with hepatic lobe torsion, hepatic torsion without neoplastic process less likely.
- Mild peritoneal effusion.
- Diffuse splenomegaly - likely correlated to anesthesia.
- Sternal and cranial mediastinal lymphadenopathy, neoplastic.
- Abdominal lymphadenopathy, neoplastic.
- No pulmonary metastatic disease.
- Multifocal thoracic and lumbar chronic disc disease and spondylosis deformans.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

Northeast Veterinary Referral Hospital

Differential diagnosis for hepatic neoplasia includes hepatocellular carcinoma, round cell neoplasm, or hemangiosarcoma). A hepatic mass with thrombosis and vascular congestion is considered due to the presence of a tortuous or dilated portal vein. Due to the characteristics of the portal vein and dislocated gallbladder, hepatic torsion is considered.

Differential diagnosis for the mild peritoneal effusion includes modified transudate, hemoperitoneum, inflammatory, or neoplastic.

REFERRING VET

Dr. Runde

Abdominocentesis and fluid analysis and fine needle aspiration of amenable abnormalities are suggested for differentiation of possible etiologies or a more aggressive approach, for example, exploratory laparotomy.

INVOICE

56509

DATE

2-1-23



PATIENT

Miss Penny Green

SPECIES

Canine

BREED

Golden Retriever

SEX

FS

AGE

8

INTERPRETED BY

Tilde Rodrigues Froes,
DMV, MSc., Dr. Med
Vet., Dipl. CBraRVet

HOSPITAL NAME

Northeast Veterinary
Referral Hospital

REFERRING VET

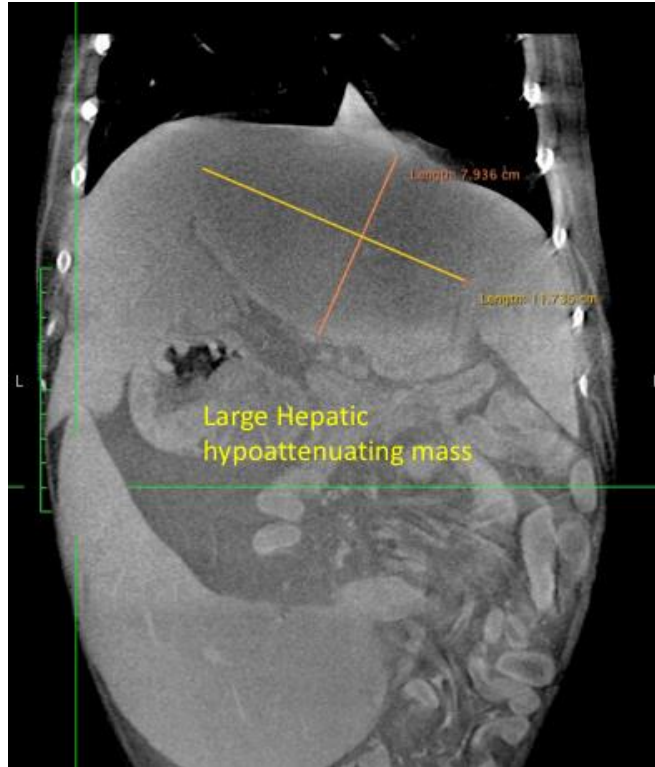
Dr. Runde

INVOICE

56509

DATE

2-1-23





PATIENT

Miss Penny Green

SPECIES

Canine

BREED

Golden Retriever

SEX

FS

AGE

8

INTERPRETED BY

Tilde Rodrigues Froes,
DMV, MSc., Dr. Med
Vet., Dipl. CBraRVet

HOSPITAL NAME

Northeast Veterinary
Referral Hospital

REFERRING VET

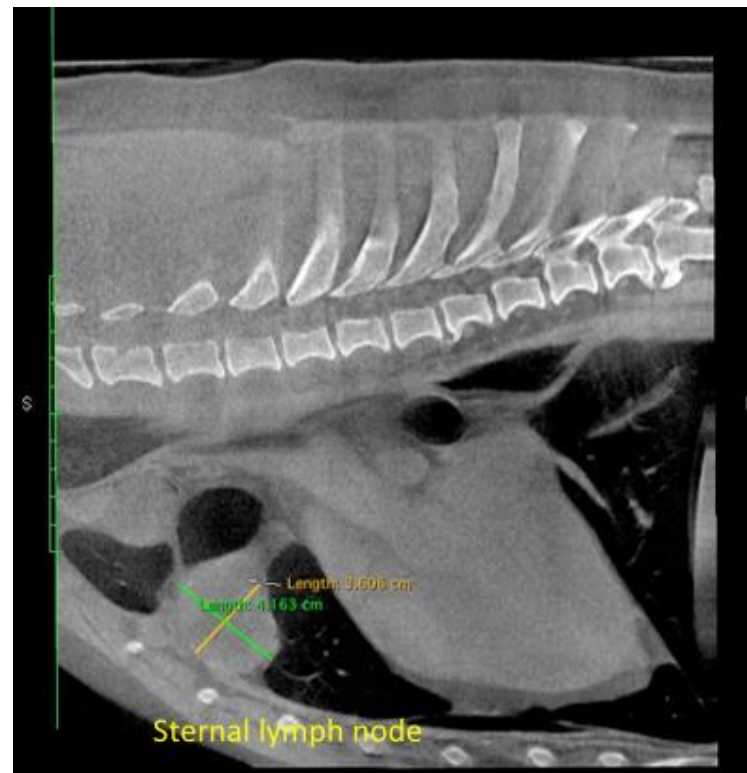
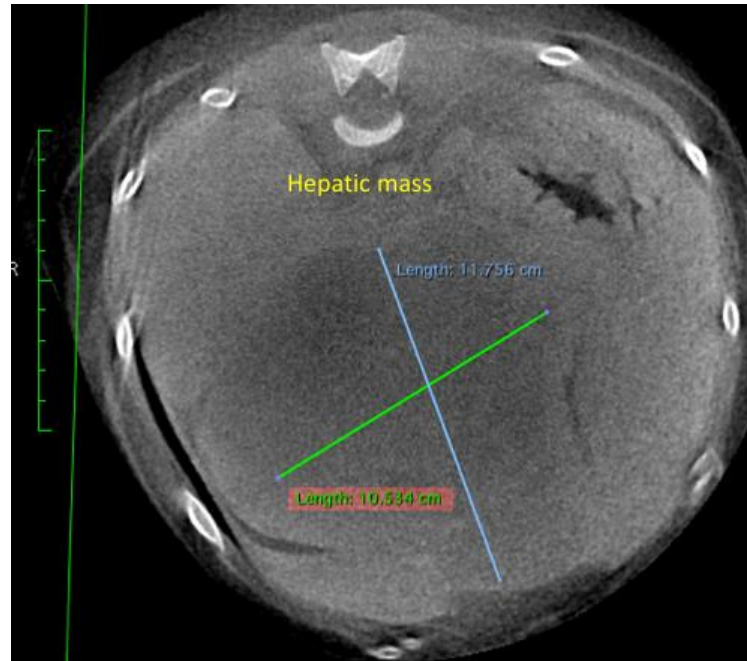
Dr. Runde

INVOICE

56509

DATE

2-1-23





PATIENT

Miss Penny Green

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.

SPECIES

Canine

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.

BREED

Golden Retriever

Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet
info@sonopath.com

SEX

FS

AGE

8

INTERPRETED BY

Tilde Rodrigues Froes,
DMV, MSc., Dr. Med
Vet., Dipl. CBraRVet

HOSPITAL NAME

Northeast Veterinary
Referral Hospital

REFERRING VET

Dr. Runde

INVOICE

56509

DATE

2-1-23