



**PATIENT PRESENTING CLINICAL SIGNS**

Tank Henning Clinical signs (coughing), Coughing (acute (1 to 3 days)), Current clinical signs summary (Pt presented on 7/17/23 for vaccines. 4DX E.Canis + sent home oral doxycycline. Presented on 8/2/23 for mass removal. Noted coughing during pt prep for sx. 3 View Thoracic rads submitted for review. Physical Exam: Summary of PE findings (Multiple sq masses. Wheezing heard bilaterally more prominent on right side. ), Patient attitude/demeanor (quiet) Radiology report attached. Would like further evaluation of Thorax .

**SPECIES** Canine

Abnormal PE/Chem/CBC/UA Results: 8/2/23 HCT 34% HGB 12.3 g/dL NEUT 12.72 K/uL EOS 0.03 K/uL RBC 5.52 M/uL MPV 13.5fL Ca 12.4mg/dL CHOL 445 mg/dL Ehrlichia Positive

**BREED**

Rottweiler Mix

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

A pre- and post-contrast CT study of thorax and abdomen are provided for review totaling 4 series. Two pre-contrast series, thorax, and abdomen soft tissue algorithm. Two post-contrast thorax and abdomen series soft tissue algorithm.

**SEX**

Neutered Male

**COMPUTED TOMOGRAPHIC FINDINGS**

**THORAX**

**AGE**

6 Years, 8 Months

There is a complete consolidation of the left cranial lung lobe, associated with a heterogeneous air and soft tissue pattern. The left cranial lung lobe is enlarged, and a vesicular gas pattern appearance is suspected and seen at the cranial peripheral portion. In addition, there is an inability to trace the bronchi of the left cranial lung lobe's cranial and caudal segments (corresponding to a lobar bronchus to the left cranial lobe, LB1). The left caudal lung lobe is also consolidated, presents an enhanced appearance in post-contrast series, and has concurrent peripheral hyperattenuating foci measuring 0.2cm.

**INTERPRETED BY**

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

The right lung lobes have a normal volume of expansion, and multiple hyperattenuating foci measuring 0.2cm are seen in the subpleural pulmonary parenchyma.

A thin pleural fissure line is seen between the left cranial and caudal lung lobes.

**HOSPITAL NAME**

Neel Veterinary Hospital

A small non-contrast enhancing structure is seen within the lumen of the left pulmonary artery, contiguous to the proximity of the lobar left bronchus lesion. The cardiac silhouette and pulmonary vessels are normal. The contrast media adequately fills the cardiac chambers in the post-contrast series.

**REFERRING VET**

Deepan Kishore, DVM,MS, DABVP

The mediastinum is normal. No evidence of enlarged mediastinal lymph nodes.

The thoracic esophagus is mildly distended by intraluminal gas content, likely correlated to the anesthesia.

The diaphragm and thoracic wall are normal.

**INVOICE**

59656

**ABDOMEN**

A large, rounded, regular hypoattenuating cystic-like structure with a thin wall is seen at the right lateral hepatic lobe and measures 7.1cm by 6.5cm by 4.3cm in diameter. The remaining hepatic parenchyma attenuation and contrast enhancement are normal. The gallbladder is unremarkable.

**DATE**

8-2-23



**PATIENT**

Tank Henning The renal silhouettes are normal in size, shape, contour, and attenuation pre- and post-contrast. The renal length is 7.5cm in the right kidney and 7.7cm in the left kidney. No radiopaque calculi are seen.

The ureters are normal in size with correct insertion in the trigone region.

**SPECIES**

Canine The urinary bladder is moderately filled, with the apex in the plane of L6, and is homogeneously soft tissue opaque. No evidence of radiopaque calculi.

**BREED**

Rottweiler Mix The spleen is homogeneously soft tissue attenuating, and uniformly contrast enhancing, with normal size and shape. The stomach is moderately distended, containing heterogeneous attenuating ingesta, hypoattenuating fluid material and gas. Normal position.

**SEX**

Neutered Male The duodenum and small intestine are nondilated and contain a small amount of fluid attenuating material and gas. The colon and rectum contain gas admixed with heterogeneously soft tissue attenuating fecal material.

**AGE**

6 Years, 8 Months The pancreas and mesentery are normal. The abdominal lymph nodes are normal.

**INTERPRETED BY**

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet Within the right adrenal cranial pole, a rounded hypoattenuating nodule is seen and measures approximately 1.6cm by 1.0cm. The left adrenal gland is normal. The prostate is small and intrapelvic, normal for castrated patient.

A large homogeneously fat-attenuating mass effect is seen in the subcutaneous soft tissue in the medial/internal surface of the caudal branch of the medial saphenous vein and flexor digitorum medialis muscle, and measures approximately 5.8cm by 3.6cm.

**HOSPITAL NAME**

Neel Veterinary Hospital A rounded soft tissue mass effect is seen in the subcutaneous soft tissue in the ventral border of the 7<sup>th</sup> caudal vertebra, and measures approximately 3.2cm by 2.1cm. On the edge of the exam, periarticular ossification is seen in both elbow joints.

**REFERRING VET**

Deepan Kishore, DVM,MS, DABVP

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Complete consolidation of the cranial lung lobe, heterogeneous appearance, suspicion of regional cranial vesicular gas pattern appearance, inability to trace the lobar bronchus to the left cranial lung lobe and suspect intraluminal vascular thrombus at the left pulmonary artery. The differential diagnosis includes pulmonary torsion of the left cranial lung lobe, or intraluminal bronchial obstruction due to inflammatory plug, or by mass and consequent severe pulmonary pneumonia, pulmonary hemorrhage, or necrotizing pneumonia, and less likely pulmonary neoplasm.
- Passive atelectasis of the left caudal lung lobe.
- Thin pleural fissure line. Differential diagnosis: scant pleural effusion, or pleuritis.

**INVOICE**

59656

**DATE**

8-2-23



**PATIENT**

Tank Henning

- Multiple pulmonary osteomas, incidental.
- Large hepatic cystic lesion at the right hepatic lobe. The differential diagnosis includes incidental cystic lesion, cystic biloma, hepatic hematoma, less likely hepatic cystic tumor due to thin and regular wall.
- Right adrenal cranial pole nodule. The differential diagnosis includes incidentaloma, nodular myelolipoma, adenoma, less likely malignant neoplasm.
- Soft tissue nodule within the ventral border of caudal vertebra, tail. The differential diagnosis includes soft tissue neoplasm, or granuloma.
- Lipomatous mass within the medial/internal surface of the left pelvic limb.
- Bilateral elbow osteoarthritis.

**SPECIES**

Canine

**BREED**

Rottweiler Mix

**SEX**

Neutered Male

**AGE**

6 Years, 8 Months

**INTERPRETED BY**

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

**HOSPITAL NAME**

Neel Veterinary Hospital

**REFERRING VET**

Deepan Kishore, DVM, MS, DABVP

**INVOICE**

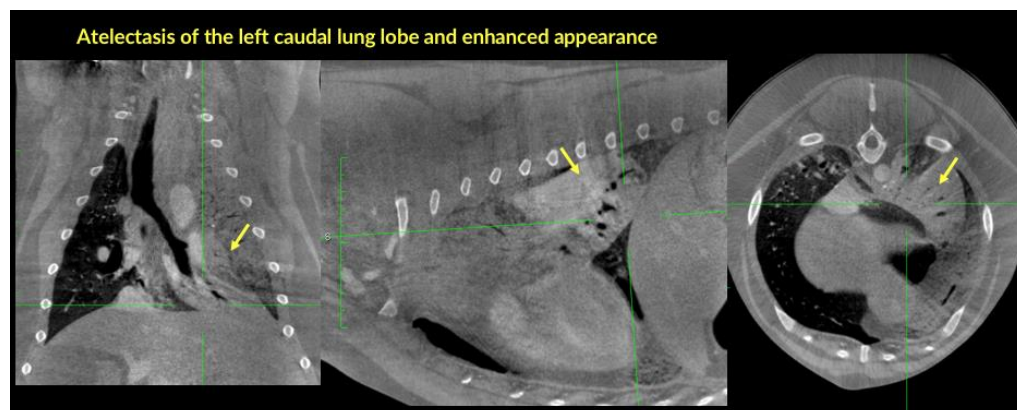
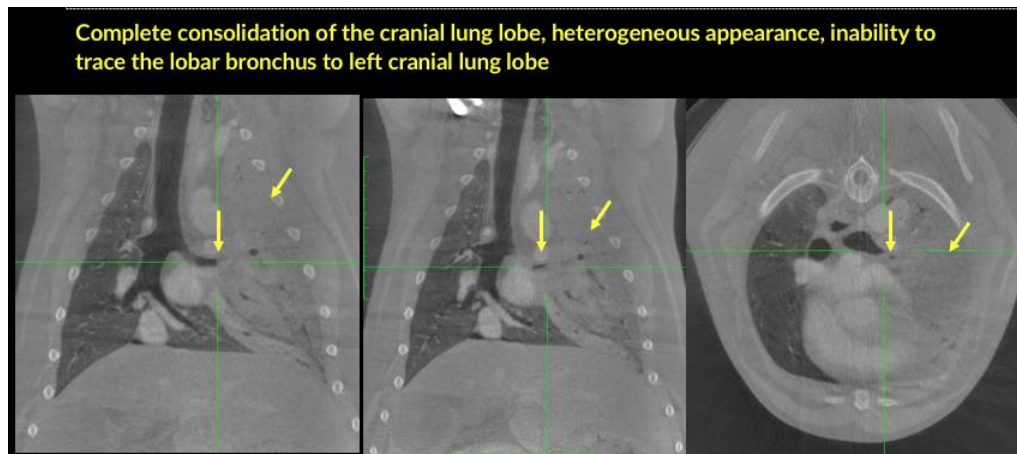
59656

**DATE**

8-2-23

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There is a severe and extensive lesion and consolidation within the left cranial lung lobe, and due to the inability to trace the respective lobar bronchus, the differential diagnosis includes lung lobe pulmonary torsion; however, a classical vesical gas pattern is not clearly defined, and there is only scant pleural effusion. Usually, lung lobe torsion is associated with a more evident and more amount of pleural effusion. Due to that, other causes of intraluminal bronchial obstruction are considered, as mentioned. A more invasive approach is suggested for a definitive diagnosis, which could be a sequence of bronchoscopy exam and thoracoscopy. I appreciate a case follow-up, if possible.





**PATIENT**

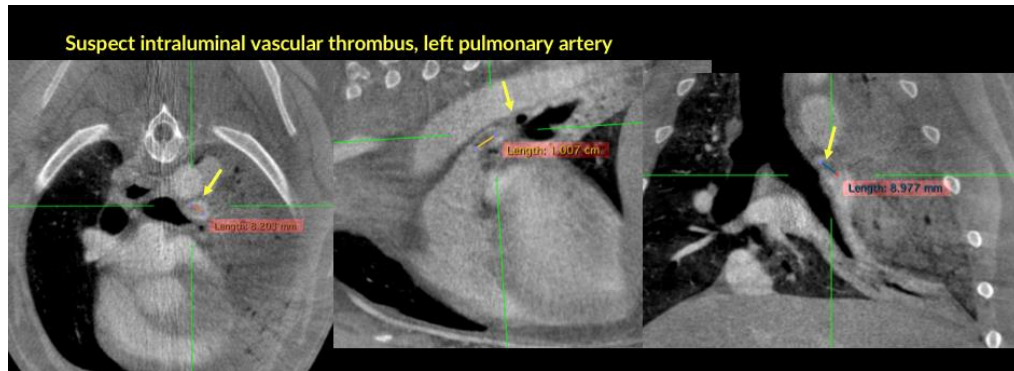
Tank Henning

**SPECIES**

Canine

**BREED**

Rottweiler Mix

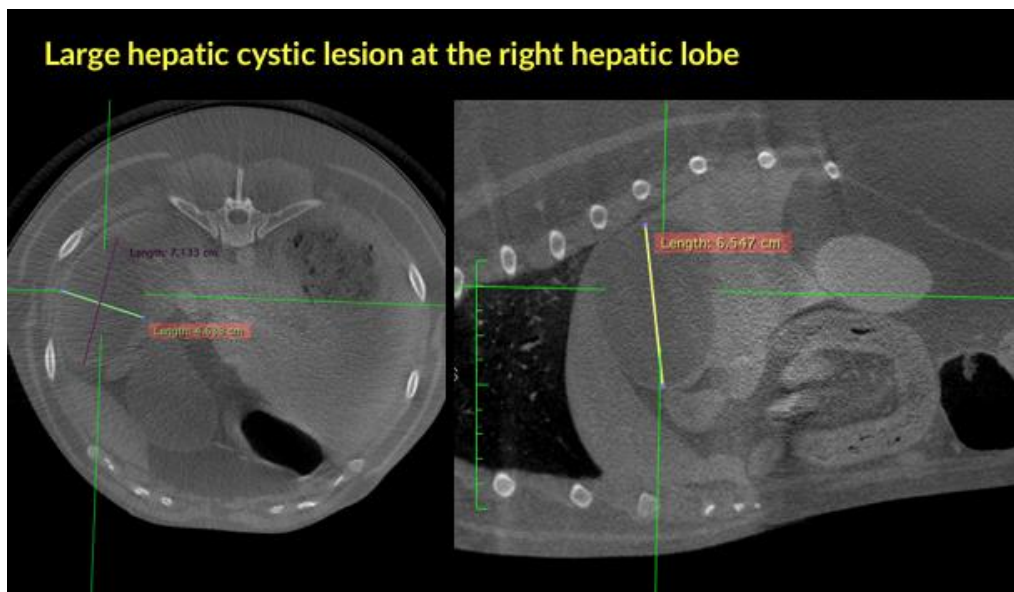


**SEX**

Neutered Male

**AGE**

6 Years, 8 Months



**INTERPRETED BY**

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

**HOSPITAL NAME**

Neel Veterinary  
Hospital

**REFERRING VET**

Deepan Kishore,  
DVM, MS, DABVP

**INVOICE**

59656

**DATE**

8-2-23



**PATIENT**

Tank Henning

**SPECIES**

Canine

**BREED**

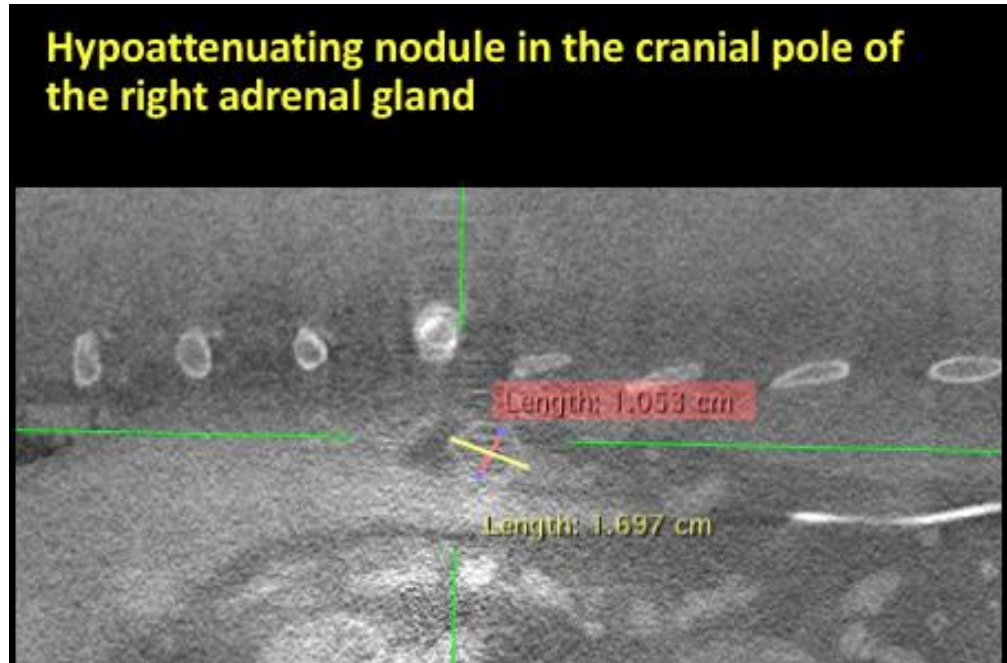
Rottweiler Mix

**SEX**

Neutered Male

**AGE**

6 Years, 8 Months



**INTERPRETED BY**

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

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.

**HOSPITAL NAME**

Neel Veterinary  
Hospital

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

**REFERRING VET**

Deepan Kishore,  
DVM,MS, DABVP

**INVOICE**

59656

**DATE**

8-2-23