



PATIENT PRESENTING CLINICAL SIGNS

Shyla Markham Presented for CT of chest + abdomen pre and post contrast with delayed contrast. Right anal sac mass (was <0.5 cm in March). The mass was initially noticed on March 16, 2023. A fine needle aspirate of the mass identified frequent clumps and sheets of mature adipocytes present, admixed with numerous lipid droplets consistent with a lipoma. A recheck appointment with the RDVM was recommended in 2-4 weeks to re-assess the anal sac mass. Shyla is more lethargic in the past few months. Intermittent constipation (once per month, resolved with canned pumpkin). Normal EDUD. Vomited 1 month ago, resolved with medication. Shyla has had a previous history of: hypothyroidism left meibomian gland adenomas (x3) thoracic masses consistent with lipomas on FNA. New mass in right axillary region

SPECIES Canine

BREED Beagle X

Abnormal PE/Chem/CBC/UA Results: Right anal sac mass < 0.5 cm Subcutaneous Masses? Location? - Subcutaneous mass in right axillary region - pea size, soft and mobile Subcutaneous firm - 1 cm x 1cm cranial one more mobile - chest

SEX FS

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

A high resolution pre- and post-contrast CT study of the thorax and abdomen in a bone, lung and soft tissue reconstruction are provided for review.

AGE COMPUTED TOMOGRAPHIC FINDINGS

9 Years Thorax

INTERPRETED BY The bony and surrounding soft tissue structures are within normal limits.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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.

HOSPITAL NAME Cranial to the diaphragm in the caudal mediastinum, caudal to the heart, a well-defined, soft tissue attenuating nodule with a heterogeneous contrast enhancement pattern is seen, measuring 6 mm in diameter. A second soft tissue nodule, measuring 2 mm in diameter is appreciated dorsal to the descending aorta, level with T8.

Animal Health Partners

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

REFERRING VET 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.

Dr. Murphy

The lung parenchyma presents the expected architecture and attenuation behavior.

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

58811 Abdomen

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

6-13-23 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.



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

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

SPECIES Dorsally in the caudate process of the caudate liver lobe, a mild irregular marginated, intraparenchymal nodule is appreciated, protruding beyond the hepatic surface, measuring approximately 3.0 cm in diameter. The hepatic nodule is isoattenuating in the pre- and post-contrast series to the surrounding hepatic parenchyma. The hepatic volume is increased and the liver is protruding caudally beyond the costal arch and has rounded caudoventral margins. The hepatic parenchyma is homogeneous soft tissue attenuating and contrast enhancing.

Canine

BREED

The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.

Beagle X

SEX

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

FS

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout. The anal sacs are empty, no abnormalities of the wall are appreciated.

The hypogastric lymph nodes are small.

AGE

The periarticular bones of the right coxofemoral joint present moderate osteophyte new bone formation. The right acetabular groove is shallow and the center of the right femoral head is level with the dorsal acetabular rim.

9 Years

INTERPRETED BY

COMPUTED TOMOGRAPHIC DIAGNOSIS

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

- Two nodular mediastinal lesions – caudal mediastinum, cranial to the diaphragm and dorsal to the aorta level with T8
- Hepatomegaly
- Hepatic parenchymal nodule caudate process – isoattenuating in the plain and post contrast series to the hepatic parenchyma
- No evidence of pulmonary metastatic disease

HOSPITAL NAME

Animal Health
Partners

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

REFERRING VET

No abnormalities of the anal sacs are appreciated in the current CT study, however small intramural lesions might be effaced in the nearly empty, collapsed anal sacs.

Dr. Murphy

The hypogastric lymph nodes present without signs of metastatic disease.

INVOICE

The mediastinal nodular lesions are not specific and can present aberrant lymphoid tissue, nodular fat-necrosis, granulomas, or metastasis.

58811

Potentials for the hepatomegaly include metabolic hepatic disease, hepatitis or diffuse neoplastic infiltration. The odds for regeneration nodule/nodular hyperplasia of the caudate process are high. In case of doubt, ultrasound guided FNA sampling and/or Tru-cut biopsy can be used as minimally invasive methods for further workup.

DATE

6-13-23



PATIENT

Shyla Markham

SPECIES

Canine

BREED

Beagle X

SEX

FS

AGE

9 Years

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

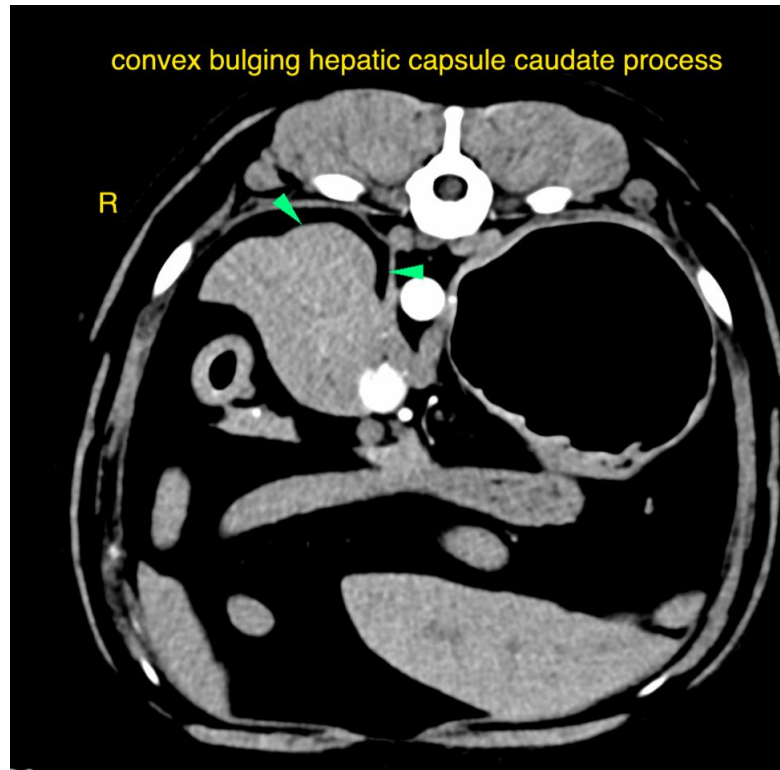
Dr. Murphy

INVOICE

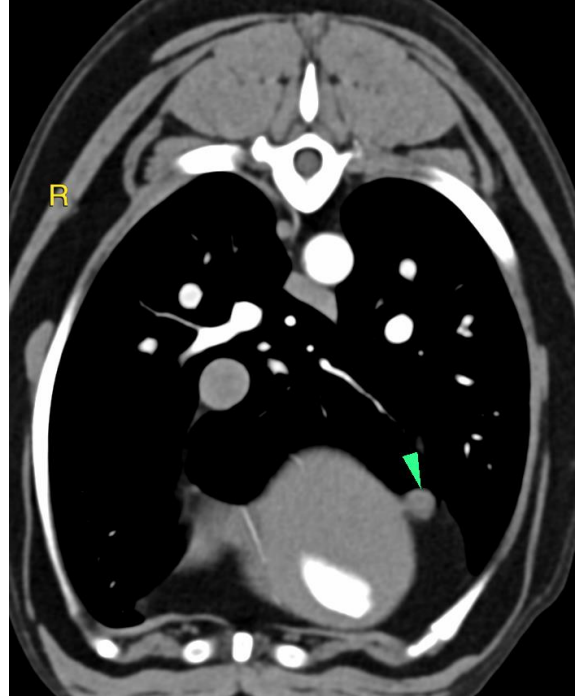
58811

DATE

6-13-23



nodular lesion caudal mediastinum





PATIENT

Shyla Markham

SPECIES

Canine

BREED

Beagle X

SEX

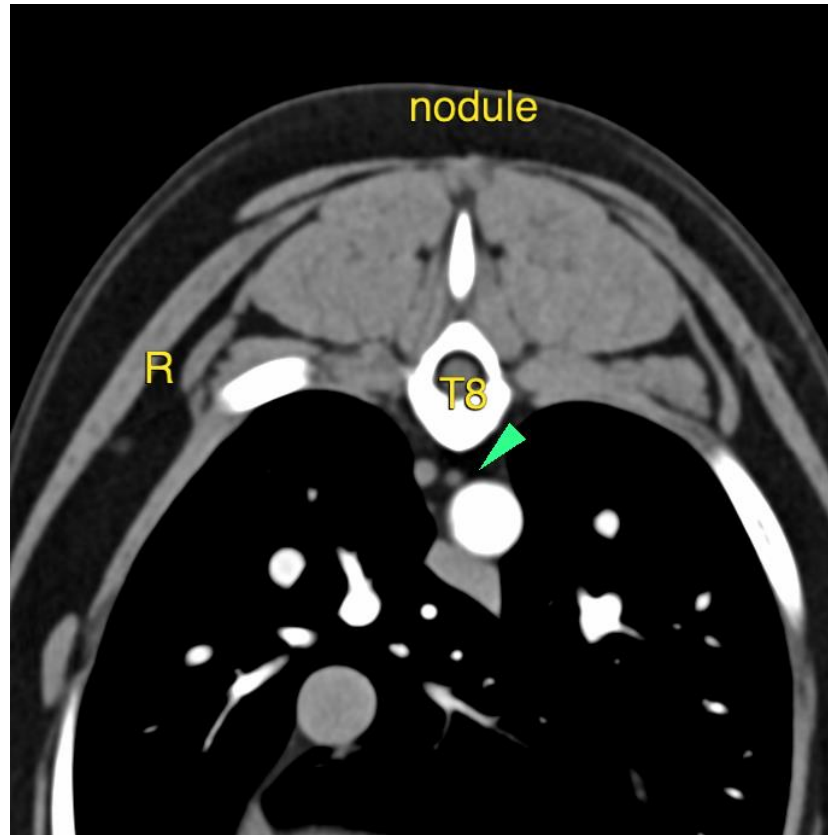
FS

AGE

9 Years

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI



HOSPITAL NAME

Animal Health
Partners

REFERRING VET

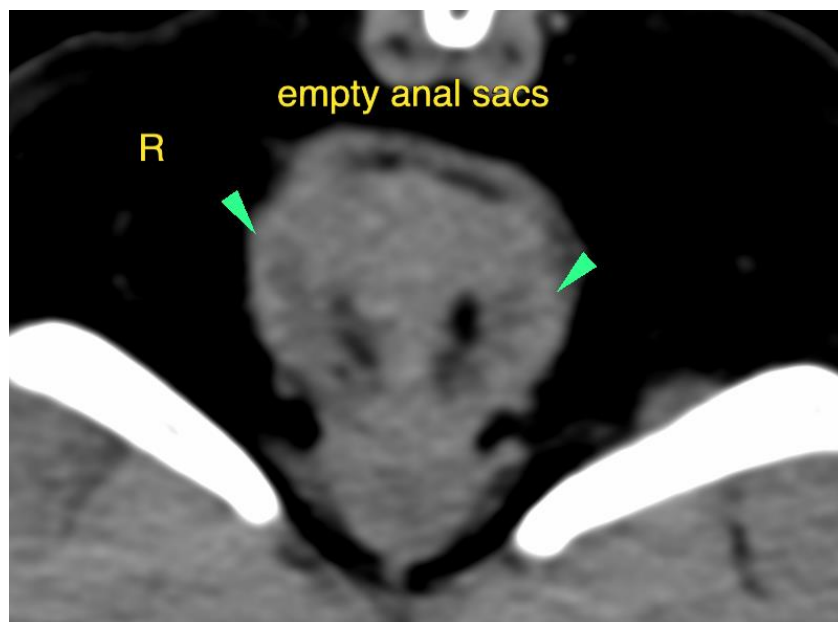
Dr. Murphy

INVOICE

58811

DATE

6-13-23





PATIENT

Shyla Markham

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.

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
info@sonopath.com

BREED

Beagle X

SEX

FS

AGE

9 Years

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

Dr. Murphy

INVOICE

58811

DATE

6-13-23