



PATIENT

Dante Domingue

PRESENTING CLINICAL SIGNS

Dante presented for removal of a large anal gland tumor in the right side. We discussed possibility of an adenocarcinoma vs adenoma. Adenocarcinomas's are more common and spread to other areas rapidly. I discussed options including referral to a surgical oncologist for interventional therapy/radiation vs mass removal here. We will need a CT or radiographs and ultrasound to determine if the mass has spread to the abdomen. We have discussed surgery and complications including permanent incontinence, infections, narrow or incomplete tumor removal. Met Check

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Elevated Values:TBIL-1.0mg/dL, EOS-1:47K/uL, PCT-0.47%

BREED

Blue Heeler Mix

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

SEX

Neutered Male

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

The vertebral endplates T5/T6 present mild ventral spondylosis formation. Variable sized but small (<3 cm) lipomas are seen in the axillary region and along the thoracic wall bilaterally.

AGE

13 Years

In the distal aspect of the 7th right intercostal space, lateral to the sternum, a uniform fat attenuating ovoid shaped mass, measuring approximately 2.9 x 1.9 x 4.0 cm in size is visible. The mass demarcated by a thin, soft tissue attenuating capsule and protruding ventrally mildly into the thoracic cavity with mild extrapleural mass effect on the lung at the same level.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The cranial mediastinal lymph nodes are moderately enlarged, rounded, uniform soft tissue attenuating and contrast enhancing.

HOSPITAL NAME

Neel Veterinary Hospital

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.

REFERRING VET

Dr. Deepan Kishore

The lung parenchyma presents the expected architecture and attenuation behavior, multifocal small punctuated mineralization's of the lung parenchyma are seen.

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

Abdomen

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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.

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

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

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

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Originating from the right anal sac, a well-defined, uniform soft tissue attenuating and mild heterogeneous contrast enhancing, ovoidal mass measuring 3.6 x 3.8 x 4.2 cm in size is visible. The rectum at the same level is mildly depressed by the mass.

SEX

Neutered Male

The sacral and medial iliac lymph nodes bilaterally are moderately enlarged, rounded, uniform soft tissue attenuating and homogeneous contrast enhancing. The short-to-long-axis ratio is increased >0.5. An aortic lymph node level L4/L5 and the right renal lymph node are prominent with an increased short-to-long-axis which equals 0.5.

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

AGE

13 Years

Multifocal mild spondylosis formation is seen along the lumbar spine. At the right lateral aspect of the cranial segment of the tail, a sessile mass measuring approximately 2.6 x 1.5 x 4.7 cm in size is visible, presenting a post contrast hypoattenuating center.

INTERPRETED BYSebastian Schaub, DVM
Dr. med. vet. DipECVDI**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass right anal sac
- Lymphadenopathy hypogastric lymph nodes, aortic lymph node, right renal lymph node and cranial mediastinal lymph nodes
- Pulmonary osteomas
- Multiple lipomas along thoracic wall – one lipoma is situated in the ventral aspect of the 7th intercostal space, mildly protruding into the thoracic cavity
- Non-specific possible cavitory mass cranial segment of the tail
- Spondylosis deformans
- No evidence of pulmonary metastatic disease

HOSPITAL NAMENeel Veterinary
Hospital**REFERRING VET**

Dr. Deepan Kishore

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The findings are highly suggestive for right sided anal sac adenocarcinoma with metastatic spread to multiple tributary lymph nodes and likely the cranial mediastinal lymph nodes. Complete tumor removal appears feasible, but excision of all affected lymph nodes is not feasible. The chances of surgery in combination with chemotherapy can be discussed with oncologist.

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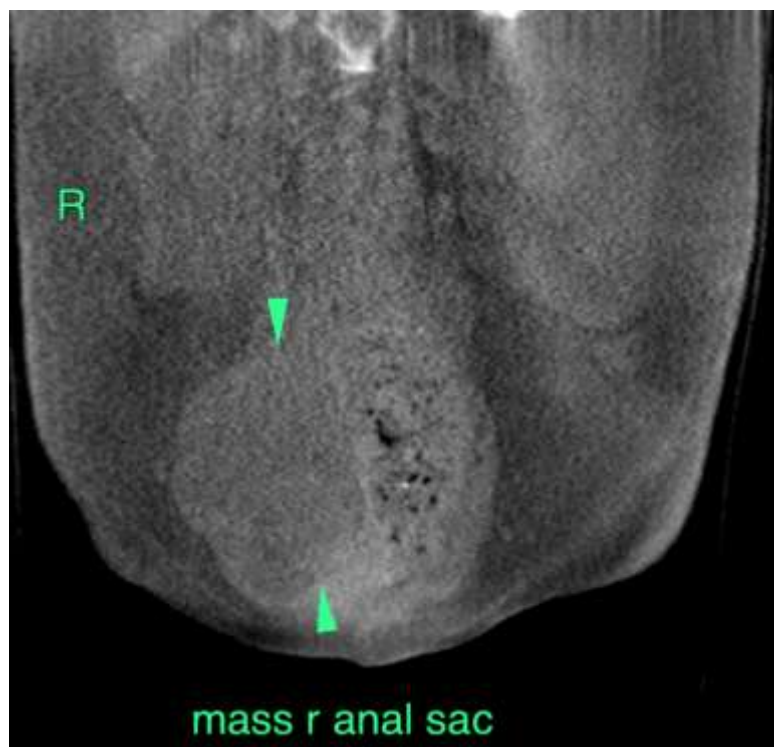
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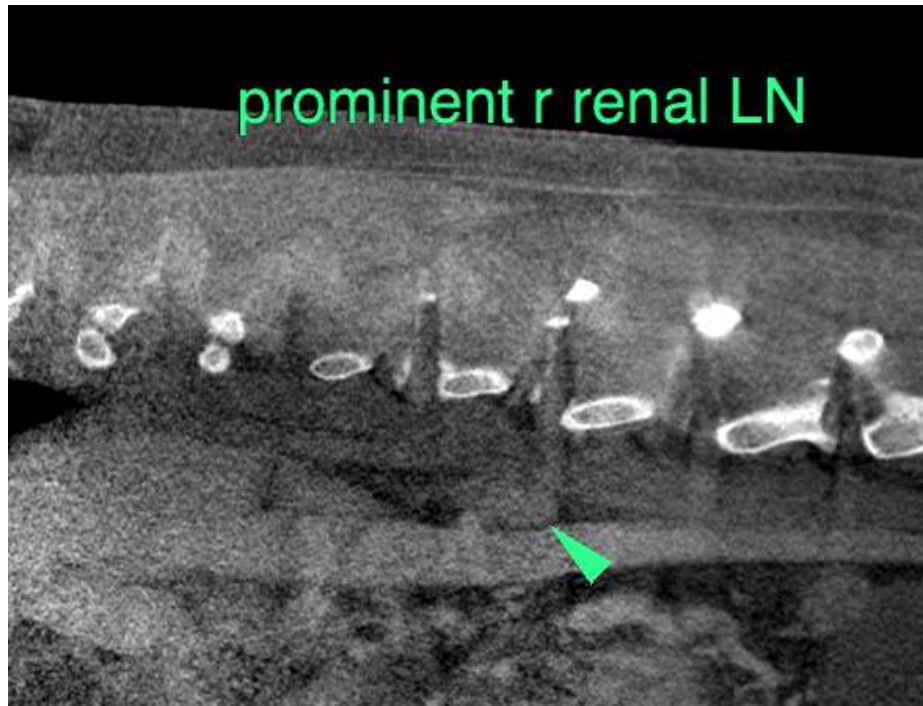
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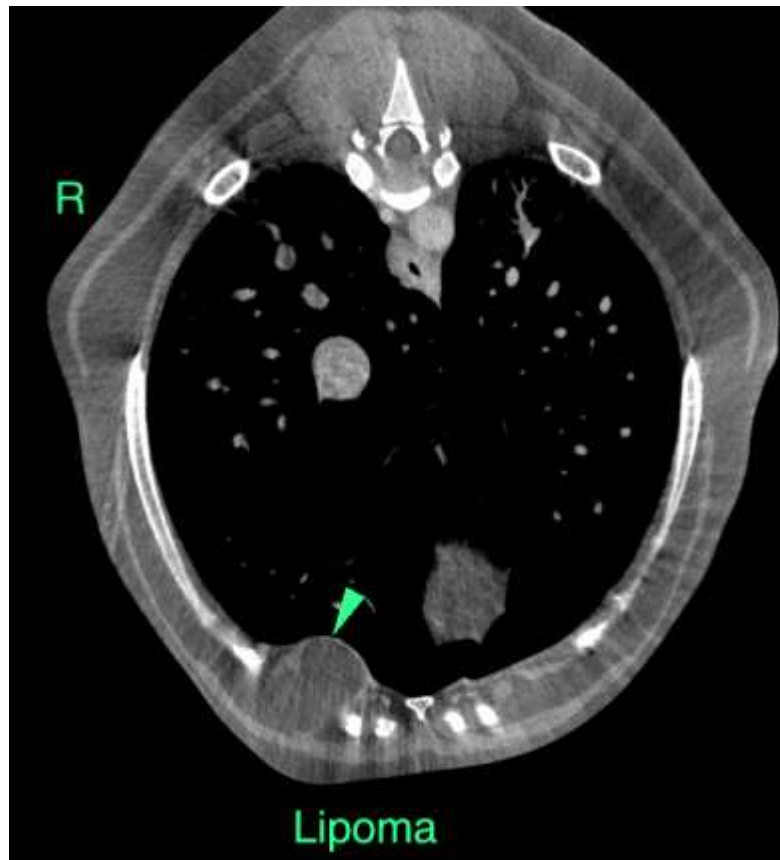
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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