



**PATIENT PRESENTING CLINICAL SIGNS**

Brody Maier right anal gland mass r/o adenocarcinoma vs adenoma vs others history of left anal gland sacculotomy

**SPECIES COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED Thorax**

German Shepherd Mix The vertebral endplates T4/T5 and T5/T6 present mild spondylosis formation. At the caudomedial aspect of the right brachium, a spindle shaped, well-defined lipoma is seen.

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.

**SEX**

MN 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.

**AGE**

10 Years The lung parenchyma presents the expected architecture and attenuation behavior with randomly distributed interspersed punctuate mineralization and dystelectasis of the ventral dependent aspects of the lung parenchyma.

**INTERPRETED BY**

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.

**HOSPITAL NAME**

Animal Surgical Center - East Meadow Both kidneys present irregular margins due to multiple concave depressions of the renal surface. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

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

**REFERRING VET**

Veterinary Center of East Northport The liver presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

The caudal extremity of the spleen presents nodular enlargement of the cranial margin, measuring 17 mm in diameter.

**INVOICE**

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

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

**DATE**

The left anal sac is absent and metal attenuating surgical clips are appreciated level with the absent left anal sac. In the subcutaneous tissue ventral to the anus, a well-defined heterogeneous strong contrast

7-19-23



**PATIENT** enhancing roundish mass is seen, measuring 3.0 x 2.2 x 3.2 cm. The right anal sac is mildly distended by fluid attenuating material and has a thin and even wall.

Brody Maier

The right medial iliac lymph node and the sacral lymph nodes are enlarged, rounded and has a mild heterogeneous contrast enhancement pattern. The left medial iliac lymph node forms a confluent mass, likely with the left external iliac lymph node, partially encompassing the left iliac vein and aortic trifurcation.

**SPECIES**

Canine

The bony and surrounding soft tissue structures reveal no abnormalities.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**BREED**

German Shepherd  
Mix

- History of excised left sided anal sac adenocarcinoma
- Heterogeneous contrast enhancing subcutaneous nodule ventral to the anus
- Lymphadenopathy hypogastric lymph node, forming a mass originating from the left medial and likely left external iliac lymph node
- Focal nodular enlargement caudal extremity of the spleen
- Spondylosis deformans
- Pulmonary osteomas
- Normal right anal sac
- No evidence of pulmonary metastatic disease

**SEX**

MN

**AGE**

10 Years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The appreciated nodule ventral to the anus and the lymphadenopathy of the hypogastric lymph nodes in combination with the history are consistent with metastasizes adenocarcinoma of the left anal sac. As the lymphatic mass is closely entangled with the large vessels of the caudal vena cava and the aortic trifurcation, excision of the lymph nodes is no option and treatment options are limited to palliative measures.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The splenic nodule can present benign splenic nodular hyperplasia or represent neoplastic infiltration (primary versus metastasis).

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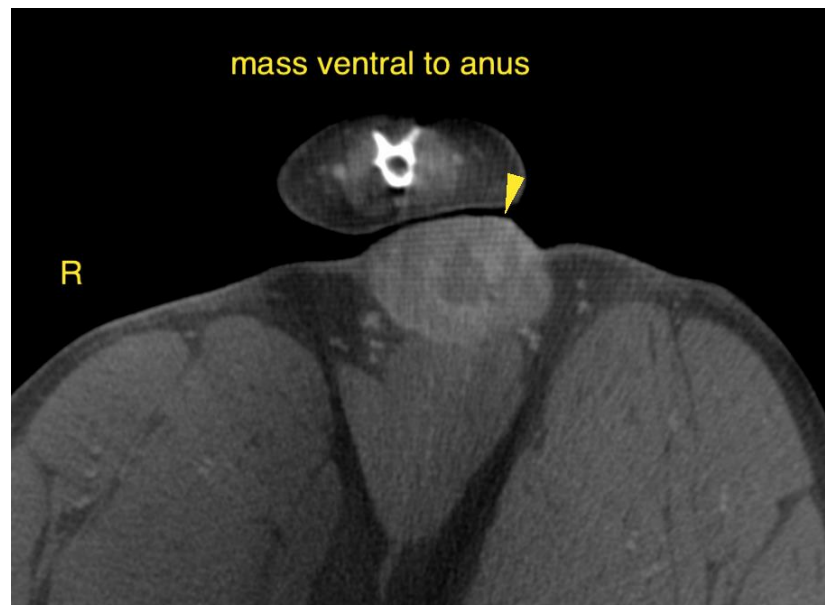
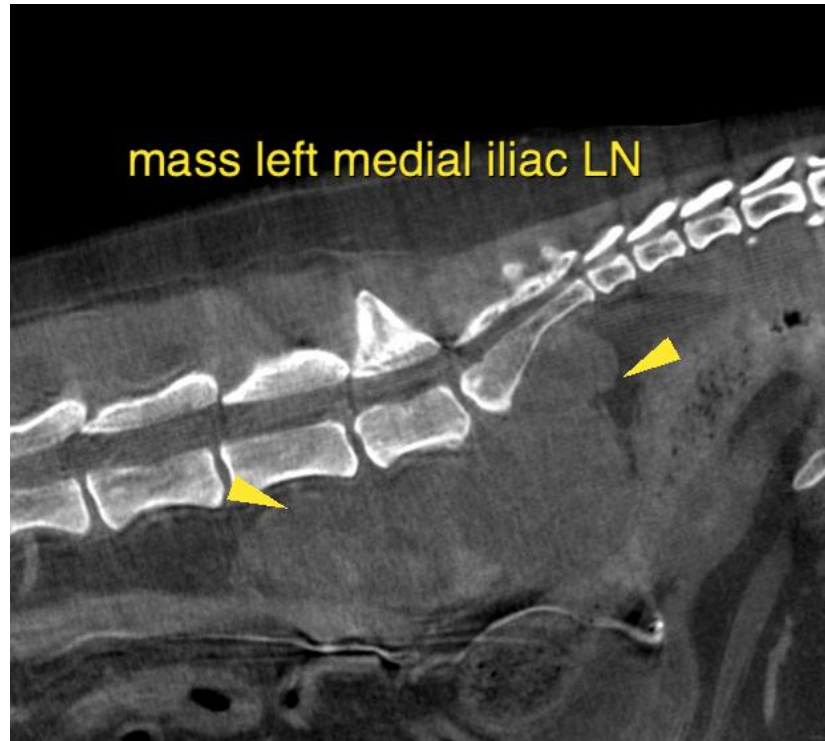
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**PATIENT** The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Brody Maier

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.

**SPECIES**

Canine

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
[info@sonopath.com](mailto:info@sonopath.com)

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