



**PATIENT PRESENTING CLINICAL SIGNS**

Zeus Grais anal sac mass

**COMPUTED TOMOGRAPHIC STUDY OF ABDOMEN**

**SPECIES**

Canine

A post-contrast CT study of the abdomen are provided for review. One post-contrast CT series are evaluated.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED**

Mix Breed

A large, rounded, heterogeneously enhancing soft tissue mass is located at the topographic region of the right anal sac and contiguous with an ipsilateral rectum wall border. The mass is moderately enhanced, with multiple hypoattenuating areas in the center. The lesion causes extramural and/or mural mass effect in the distal portion of the rectum, and mild extramural luminal compression is seen. The mass measures approximately 5.8cm x 3.9cm x 4.7cm in size. The extension of the mass with contact to the rectum wall border is approximately 4.8cm in length.

**SEX**

MN

Multiple abdominal caudal lymph nodes are enlarged. The right and left sacral lymph nodes (> right); the internal iliac lymph node, the medial iliac (and accessories) lymph nodes, and multiple aortic lymph nodes at the lumbar trunk. The lymph nodes are enlarged, irregular in shape, and heterogeneously enhancing. The right sacral lymph node measures approximately 2.2cm x 2.3cm. The left sacral lymph node measures approximately 2.0cm x 1.4cm. The largest internal iliac lymph node measures approximately 4.2cm x 1.8cm. The right medial iliac (and accessories) lymph nodes measure 6.1cm x 2.5cm. The left medial iliac (and accessories) lymph nodes measure 5.8cm x 2.4cm.

**AGE**

8 Years

**INTERPRETED BY**

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

The remainder of the abdominal lymph nodes and adrenal glands are normal.

The spleen is normal in size, shape, and attenuation.

The renal silhouettes are normal in size, shape, contour, and attenuation pre- and post-contrast. The renal length is 6.1cm in the right kidney and 6.0cm in the left kidney.

**HOSPITAL NAME**

Animal Surgical Center

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

The urinary bladder is mildly filled, with the apex in the plane of L6, and is homogeneously soft tissue opaque.

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Southgate Animal Hospital

The stomach is mildly filled and normally positioned, containing a small amount of gas admixed with homogeneous soft tissue attenuating material – fluid.

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

All portions of the colon and rectum contain gas admixed with heterogeneously soft tissue attenuating fecal material.

**INVOICE**

58818

The mesentery and retroperitoneal fat are normal.

The prostate is reduced in size, normal shape and attenuation.

**DATE**

6-14-23



**PATIENT** The inguinal lymph nodes are also enlarged, rounded, irregular in contour, and heterogeneously attenuating, bilaterally.

Zeus Grais

The liver is partially collimated, the visible portion is unremarkable.

**SPECIES**

The collimated musculoskeletal structures are unremarkable.

Canine

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**BREED**

- Large right-sided anal sac mass. Differential diagnosis includes neoplasm, for example, apocrine gland adenocarcinoma.
- Multiple, variably sized enlarged abdominal regional lymph nodes (sacral, medial iliac, internal iliac, and at the lumbar trunk), metastatic.
- Inguinal enlarged lymph nodes, metastatic.

Mix Breed

**SEX**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

MN

For the final diagnosis of the anal sac mass, a biopsy is required.

**AGE**

The internal iliac and medial iliac enlarged lymph nodes indicate regional metastasis. A calcium blood measurement analysis is suggested to search for concomitant hypercalcemia. Usually, the therapeutic approach involves a surgical approach; in this specific case, consider the extension of the mass beyond surrounding the rectum wall. In addition, coadjutant chemotherapy or radiotherapy could be necessary; In this case, due to the size and number of noted metastatic lymph nodes, the prognosis poor.

8 Years

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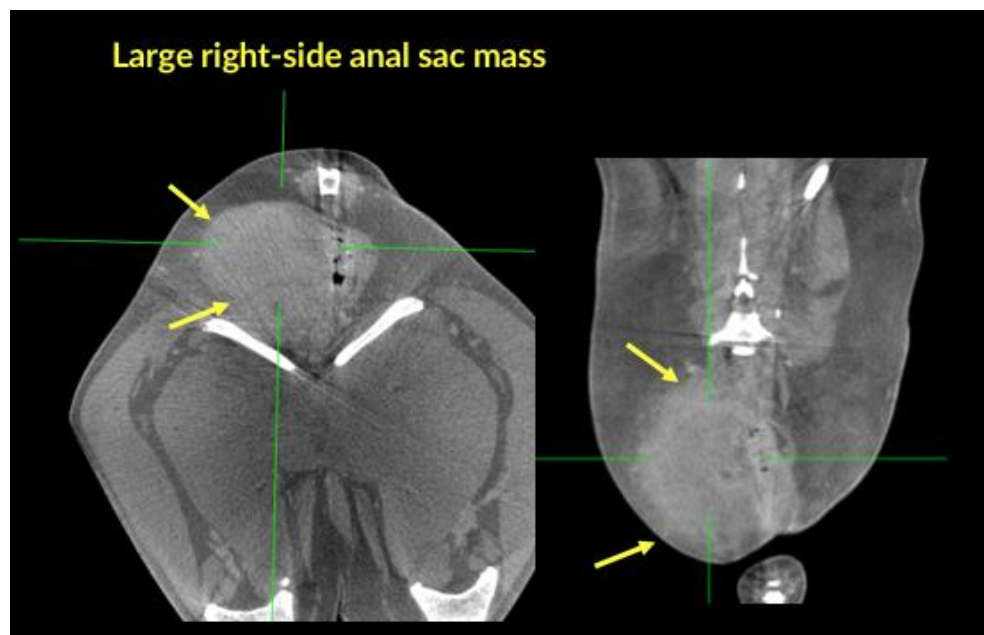
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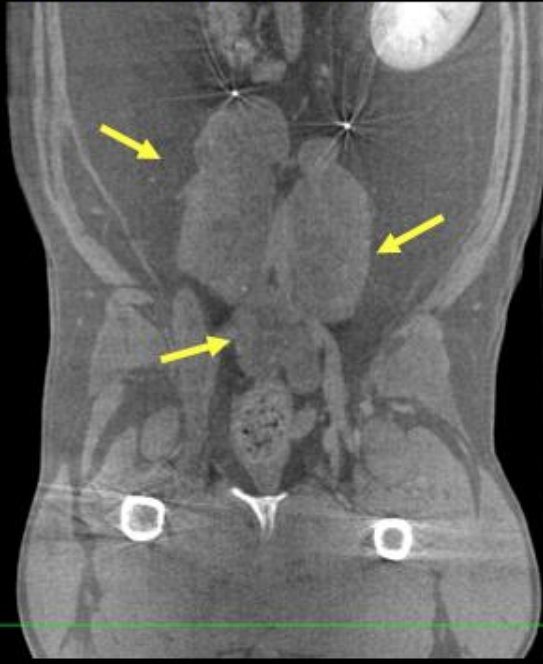
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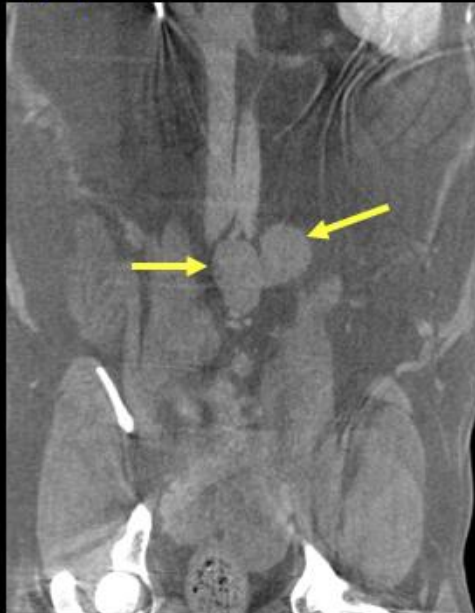
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**Internal iliac and the medial iliac  
enlarged lymph node**



**multiple enlarged lumbar trunk  
lymph nodes**





**PATIENT**

Zeus Grais

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**

Mix Breed

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