



**PATIENT PRESENTING CLINICAL SIGNS**

Jasper McKeon Right flank lipoma Right peri-preputial mass: R/O HSA, MCT, Hematoma

**SPECIES**

Canine

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

A pre- and post-contrast CT study of thorax and abdomen are provided for review totaling 3 series. One full body pre-contrast series, bone algorithm. One abdominal/abdominal wall pre-contrast soft tissue algorithm. One abdominal/abdominal wall post-contrast, soft tissue algorithm.

**BREED**

Australian Cattle Dog Mix

**COMPUTED TOMOGRAPHIC FINDINGS**

**ABDOMEN**

A large, amorphous-shaped soft tissue attenuating mass is seen contiguous to the subcutaneous soft tissue and skin in the prepuce region. Despite the large size of the mass, it involves only the cranial segmental portion of the gland. The penile bone is intact. The mass has heterogeneous attenuation and enhancement. The mass measures approximately 9.1cm x 8.8cm x 7.9cm. The adjacent inguinal lymph nodes are mildly enlarged with normal shape and homogeneous attenuation; the major lymph node measures approximately 1.2cm by 0.6cm.

**SEX**

MN

**AGE**

10 Years

A large, wide, fat-attenuating, elongated, homogeneous mass is seen in the right caudal thoracic region, from the 13th right rib border, expanding throughout the caudal ipsilateral lateral abdominal wall. The fat attenuating mass is between the internal abdominal oblique muscle and the external abdominal oblique muscle. There is no evidence of communication with the abdominal cavity. The mass measures approximately 16.0cm x 8.7cm x 19.9cm.

**INTERPRETED BY**

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

The liver is homogeneously soft tissue attenuating, with normal size and shape. The gallbladder is unremarkable. The pancreas is normal in shape and size. \* The cranial abdomen is only collimated in the pre-contrast series.

The renal silhouettes are normal in size, shape, contour, and attenuation pre- and post-contrast. The renal length is 7.2cm in the right kidney and 7.3cm in the left kidney.

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

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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.

The spleen is moderately enlarged and mildly heterogeneously contrast enhancing with convex borders.

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The stomach is moderately distended, containing homogeneous hypoattenuating fluid material and gas. Normal position.

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

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The colon and rectum contain gas admixed with heterogeneously soft tissue attenuating fecal material.

The mesenteric fat and adrenal glands are normal.

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**PATIENT** The abdominal lymph nodes are normal.

Jasper McKeon The prostate is small and intrapelvic, normal for castrated patient.

**THORAX**

**SPECIES** The trachea and main bronchus are normal.

Canine The lung lobes are reduced in volume expansion, especially the cranial lobes. There is a mild ventral dependent ground glass alveolar attenuation. No pulmonary micronodules, nodules or masses are seen.

**BREED** The pleural space and mediastinum are normal. No evidence of enlarged mediastinal lymph nodes.

Australian Cattle Dog Mix The thoracic esophagus is moderately distended by intraluminal gas content, likely correlated to the anesthesia.

**SEX** The diaphragm is unremarkable.

MN Incomplete bridging spondylosis deformans are noted at T5-T6, T6-T7 and L7-S1.

**AGE** On the edge of the collimation, moderate to severe periarticular ossification and a few osteochondromas are noted in both stifle joints.

10 Years Abundant fat stores are seen in the dorsal subcutaneous tissues.

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Large soft tissue mass contiguous to the subcutaneous tissue and skin of the prepuce, close to a portion of the gland, more peripheral in this proximity; however, no penile bone involvement. The differential diagnosis includes neoplasms, for example, soft tissue sarcoma, hemangiosarcoma, and mast cell tumors.
- Mild adjacent inguinal lymphadenitis, reactive or metastatic.
- Large right thoracic and abdominal wall, predominately abdominal wall lipoma.
- Splenomegaly with mild heterogeneous enhancement. The differential diagnosis includes splenomegaly correlated to the anesthesia, lymphoid hyperplasia, extra medullary hematopoiesis, or less likely infiltrative disease, metastatic disease.
- Otherwise, normal abdomen.
- Reduced lung expansion and ventral dependent ground glass attenuation. The differential diagnosis includes passive atelectasis. No evidence of pulmonary metastatic disease in the aerated pulmonary parenchyma.
- Stifle joint osteoarthritis, bilaterally.
- Multifocal thoracic and lumbosacral spondylosis deformans.
- Excessive body condition score.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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A heterogeneous soft tissue mass is seen within the region of the prepuce and contiguous of the most peripheral portion of the gland without penile bone involvement. It is not possible to discharge an adhesion of the mass to the periphery of the gland tissue. A fine-needle aspiration and/or biopsy are

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**PATIENT** suggested for further evaluation. The attenuation and enhancement of the mass suggest a neoplasm process.

Jasper McKeon

The large right thoracic and abdominal wall mass has characteristics of a lipoma.

**SPECIES** An ultrasound guided fine needle aspiration is suggested for further evaluation of the spleen.

Canine

Moderate to severe stifle joint osteoarthritis is noted. The differential diagnosis includes a partial tear or rupture of the cruciate cranial ligament. Correlate the tomographic findings with specific orthopedic exams, for example, the tibial thrust and cranial drawer.

**BREED**

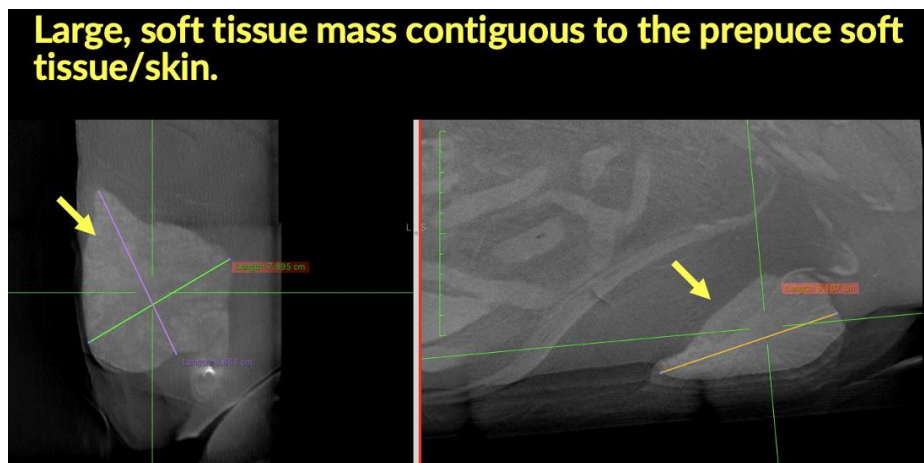
Australian Cattle Dog  
Mix

**SEX**

MN

**AGE**

10 Years



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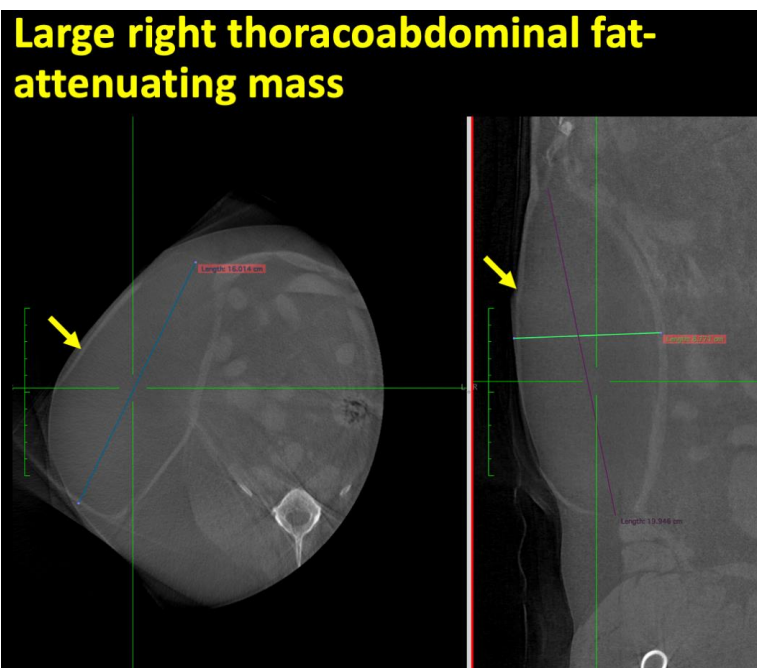
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**SPECIES**

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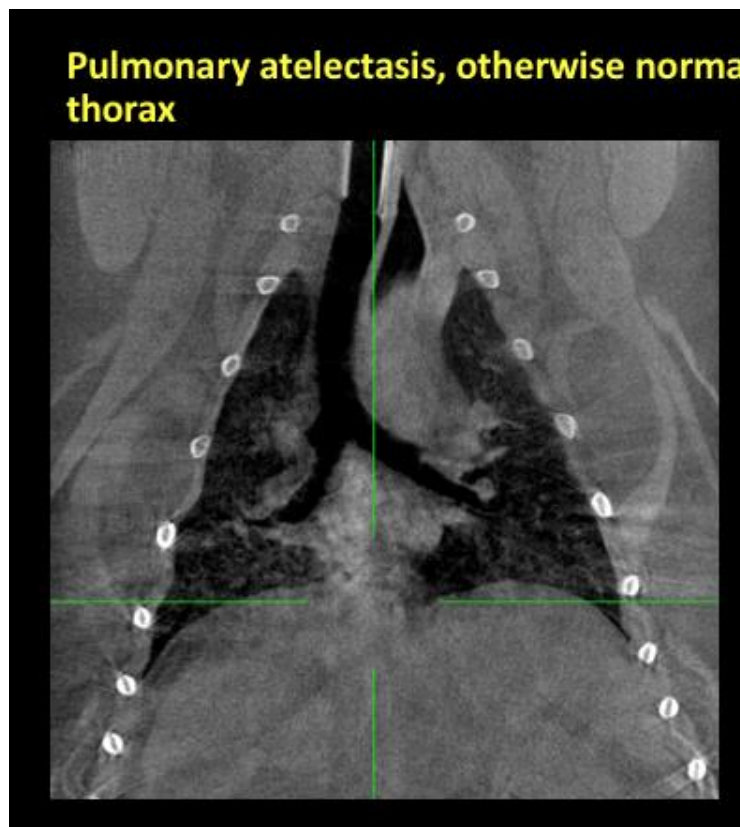
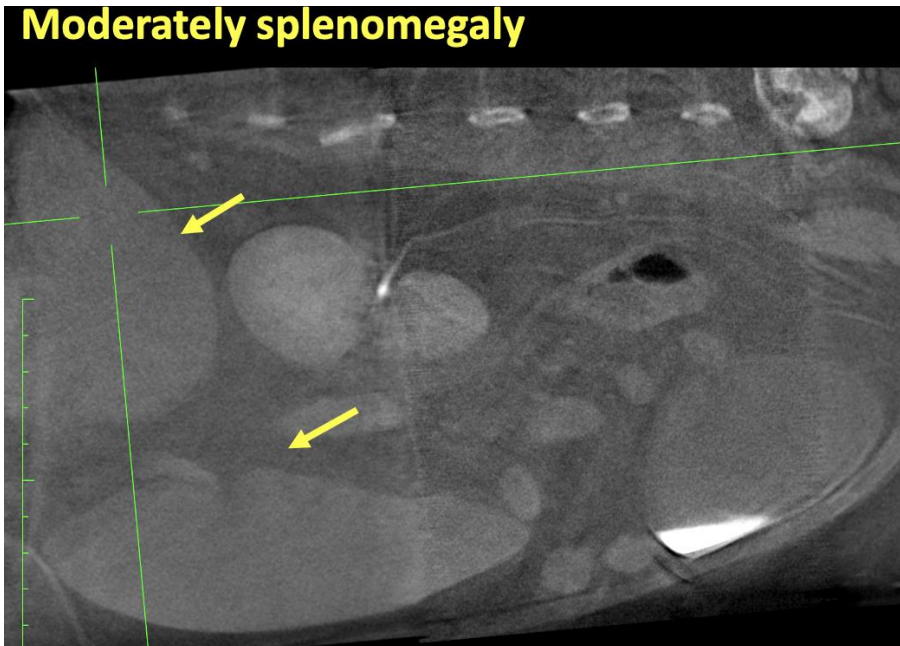
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**PATIENT**

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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.

**SPECIES**

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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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