



PATIENT PRESENTING CLINICAL SIGNS

Ruby Woltman Invasive coxofemoral mass with pathological Fracture

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE PELVIS, CAUDAL ABDOMEN, AND THORAX.

Canine A pre- and post-contrast CT study of the caudal abdomen, pelvis and thorax are provided to review. Totaling three series. One pre-contrast series of the pelvis and thorax, soft tissue and bone algorithm. One post-contrast series of the pelvis, soft tissue and bone algorithm.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Australian Shepherd **PELVIS AND CAUDAL ABDOMEN**

SEX Multifocal expansile osteolytic and mildly osteoproliferative lesions are seen centered on the body of the left ilium, acetabula, and head of the femur. In addition, surrounding the osseous lesion is a large, partially defined border and a heterogeneously attenuating, predominantly hypoattenuating, soft tissue mass effect. The surrounding soft tissue mass effect protrudes into the pelvic canal, ventrally to the caudal abdomen, spanning throughout the left proximal pelvic muscle mass and gluteal muscle mass. The soft tissue mass effect measures at least 9.7cm by 9.4cm by 8.5cm.

Spayed Female

AGE In addition to the expansile osteolytic lesions, an irregular transverse osseous discontinuity is also identified in the left proximal femoral physis, associated with irregular bone reabsorption and displacement of the fragments.

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INTERPRETED BY The intrapelvic mass effect distorts and compresses the rectum and urethral pathway. The rectum lumen is severely reduced and displaced to the right side.

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

The mass is also contiguous of the ipsilateral large vessels, the left external iliac artery, and the left external iliac vein, distorting their pathway. However, no evidence of intraluminal filling defects.

HOSPITAL NAME The medial iliac lymph nodes, internal iliac lymph nodes, sacral lymph nodes, and inguinal lymph nodes are mild to moderately enlarged, rounded in shape, and heterogeneously enhancing. (> left side).

CARE Surgery Center The subcutaneous soft tissue adjacent and ventral to the mass presents a fat stranding aspect, swelling.

REFERRING VET The lumbar vertebral bodies and sacrum are unremarkable. The spinal canal alignment is unremarkable.

Dr. Seth Bleakley The right pelvic osseous structures and right femur are unremarkable.

INVOICE THORAX

59883 The trachea and main bronchus are normal.

The pulmonary parenchyma is normal in attenuation. No pulmonary micronodules, nodules or masses are seen.

DATE The cardiac silhouette and pulmonary vessels are normal.

8-22-23



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

The thoracic esophagus is unremarkable.

SPECIES

Canine

The diaphragm and thoracic wall are normal.

COMPUTED TOMOGRAPHIC DIAGNOSIS

BREED

Australian Shepherd

- Polyostotic expansile aggressive osteolytic and proliferative lesion affecting the left ilium, acetabula, and proximal femur with extensive soft tissue mass effect on associated surroundings, pathological left physal femoral fracture. The differential diagnosis includes neoplasm process with aggressive behavior, and possible soft tissue or osseous origin. For example, osteosarcoma, fibrosarcoma, chondrosarcoma, other malignant soft tissue sarcomas.

SEX

Spayed Female

- The mass effect involves and protrudes into the caudal abdominal cavity and pelvic canal, distorts, compresses, and causes an extramural obstruction of the rectum as well as distorts the urethral pathway.

AGE

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- The mass effect is contiguous of the ipsilateral large vessels, the left external iliac artery, and the left external iliac vein, distorting the pathway. It is not possible to exclude adhesences.

- Regional metastatic enlarged lymph nodes, medial iliac, sacral, internal iliac and inguinal lymph nodes.

- Adjacent fat and subcutaneous soft tissue swelling, or inflammation.

- Normal thorax, no evidence of pulmonary metastatic disease.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

The computed tomographic study reveals a polyostotic expansile aggressive mixed osteolytic and proliferative lesions with mass effect affecting the left pelvis and femur, with concurrent pathological fracture. The differential diagnosis includes neoplasm with aggressive behavior. For example, osteosarcoma, fibrosarcoma, chondrosarcoma, and other malignant soft tissue sarcomas. A biopsy is required to confirm the diagnosis and the type of neoplastic process.

HOSPITAL NAME

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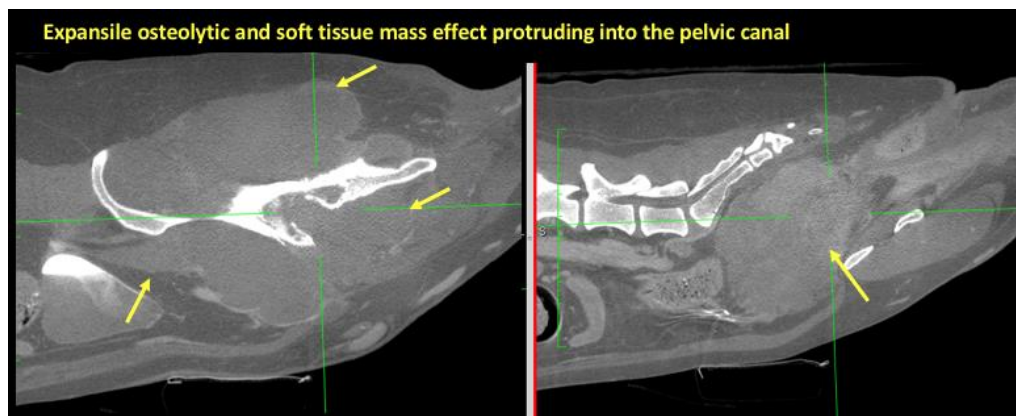
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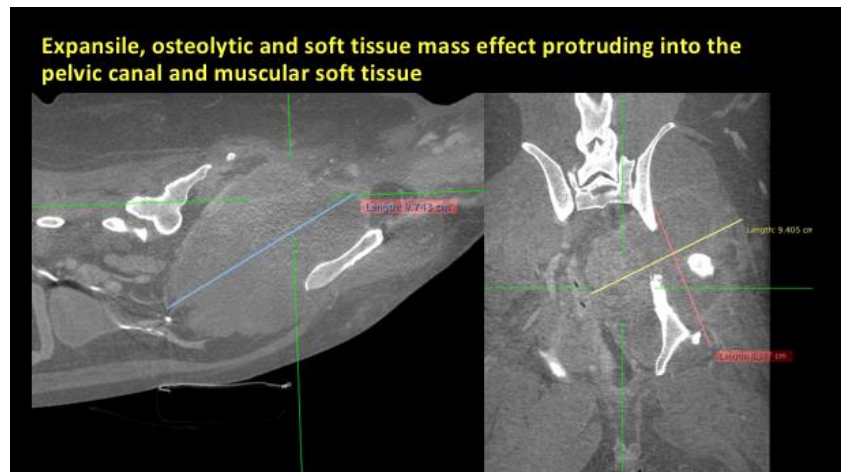
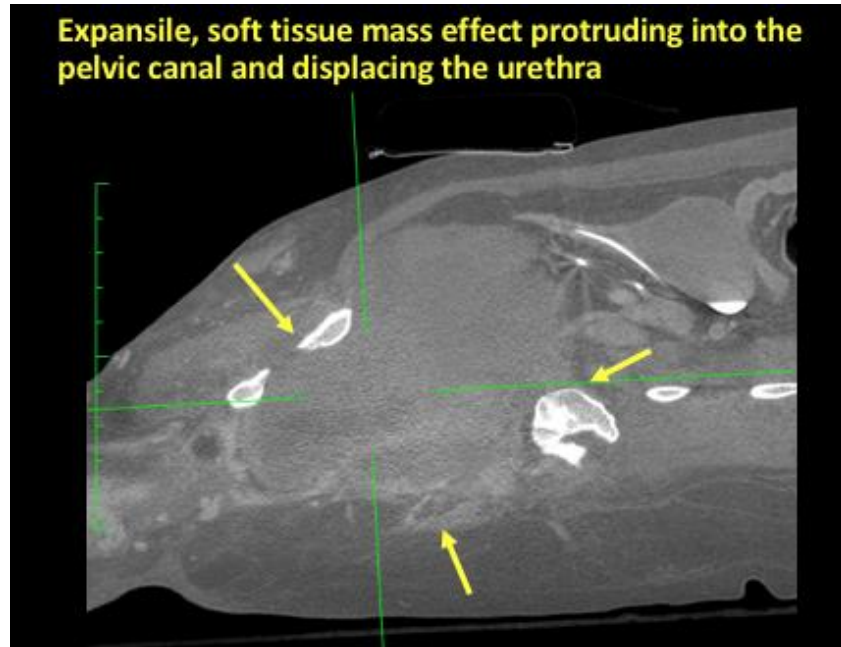
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Pathological left physal femoral fracture



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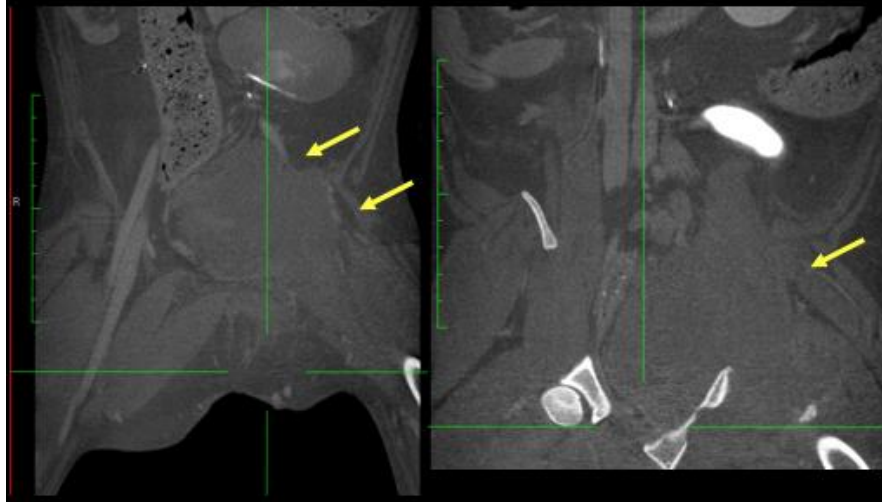
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**Expansile, soft tissue mass effect protruding into the pelvic canal,
contiguous of the ipsilateral large vessels**





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SPECIES

Canine

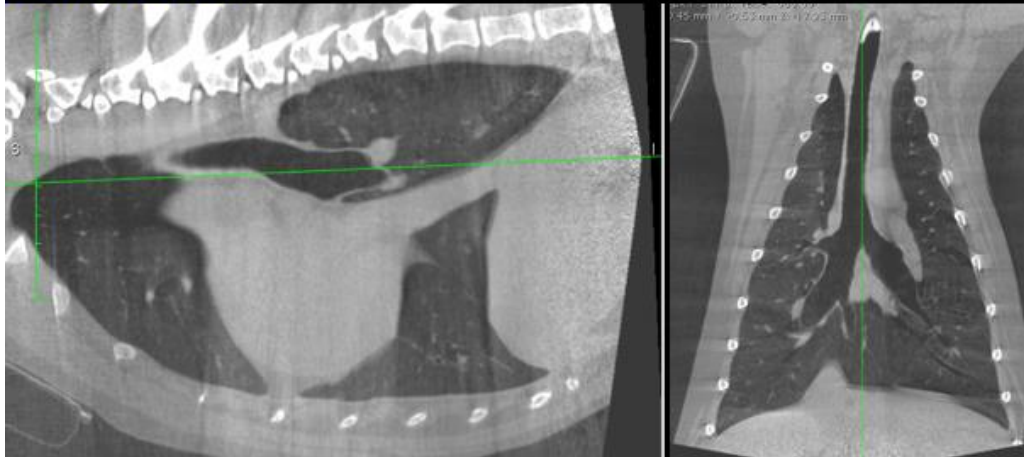
BREED

Australian Shepherd

SEX

Spayed Female

Normal thorax



AGE

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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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