



PATIENT PRESENTING CLINICAL SIGNS

Luna Lopez Left hind leg started getting stiff, has been evaluated by another local veterinarian. Luna's O also noticed that she's been struggling with her left front leg, as well. O notes that she's not been eating or drinking well. Previous radiographs found no obvious lesions, CT was recommended and patient was referred for CT.

SPECIES

Feline

COMPUTED TOMOGRAPHIC STUDY OF THE PELVIS, RIGHT AND LEFT PELVIC LIMBS

BREED

A pre- and post-contrast CT study of the pelvis and pelvic limbs are provided for review. One pre-contrast series, bone algorithm. One post-contrast series, bone algorithm.

Norwegian Forest Cat

COMPUTED TOMOGRAPHIC FINDINGS

SEX

There are multifocal ill-defined borders, inhomogeneous, and peripherally enhanced, soft tissue mass effects, streaky within the muscle tissue, affecting both pelvic limbs. They are surrounding both femur and pelvis bones. At least four lesions are seen in different positions.

Female

AGE

At least three lesions are seen adjacently in the left* femur and measure 1.6cm x 1.0cm, 1.2cm x 1.3cm, and 1.1cm x 1.6cm, respectively. The lesions have a hypoattenuating center and enhancing borders. Adjacent in the right femur another lesion is identified and measures 2.1cm x 1.3cm.

12

In addition, centered on the ala of the left* ilium, there is an amorphous and spiculated osteoproliferative lesion affecting the cortical bone.

INTERPRETED BY

The osseous bone of the femur is unremarkable, bilaterally.

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

The pelvis and coxofemoral joints are normal.

There are tiny mineral bodies within the stifle joints. The stifle joints are congruent.

The tarsocrural, tarsal and metatarsal joints are unremarkable.

HOSPITAL NAME

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The remainder of the collimated skeletal structures are normal.

On the collimated abdomen, the left kidney is partially visible and is not well defined. No post-contrast enhancement is identified.

REFERRING VET

Dr. Jennifer Shuck

No other abnormalities are identified.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Multifocal, soft tissue mass effects streaky in the muscle tissue. The lesions are distributed in multiple locations affecting mainly the muscle mass of the pelvic limbs. The differential diagnosis includes different types of soft tissue sarcoma, primary or metastatic lesions.
- Aggressive osteoproliferative lesion affecting the ala of the *left ilium. The differential diagnosis includes metastatic disease, or primary bone neoplasm.
- Ill-defined collimated left kidney parenchyma.
- Tiny mineral bodies associated with the stifle joints, incidental meniscal calcification.



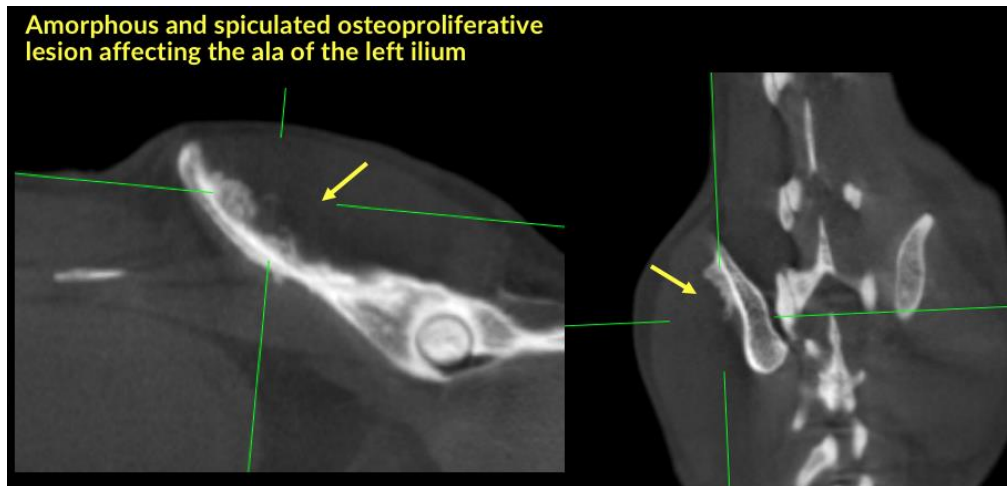
PATIENT INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Luna Lopez
SPECIES Feline
BREED Norwegian Forest Cat
SEX Female
AGE 12

Streaky, multifocal soft tissue lesions are seen in the pelvic muscle mass, atypical and uncommon lesions. The differential diagnosis includes malignant soft-tissue sarcoma and/or metastatic diseases, for example, malignant fibrous histiocytoma, malignant nerve sheath tumor, hemangiopericytoma leiomyosarcoma, mesenchymoma, fibrosarcoma myxosarcoma, liposarcoma or others. A fine-needle aspiration (FNA) or biopsy are required for diagnosis. Consider a musculoskeletal ultrasound to search and define the best places for FNA or biopsy. A thoracic x-ray is suggested for metastatic search. An abdominal ultrasound is recommended for better analysis and for confirmation of the lesion in the left kidney.

TECHNICAL COMMENTS

* The labeled laterality marks are possibly shifted because the osseous lesion within the ala of the ilium appears to be on the left side considering some referential anatomic marks, for example a caudal portion of the identified spleen, and the patient history. Some tomographic artifacts are seen in the series.



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PATIENT

Luna Lopez

SPECIES

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BREED

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SEX

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Multifocal, ill-defined borders, soft tissue mass effects, streaky within the muscle tissue



Multifocal, ill-defined borders, soft tissue mass effects, streaky within the muscle tissue





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Luna Lopez

SPECIES

Feline

BREED

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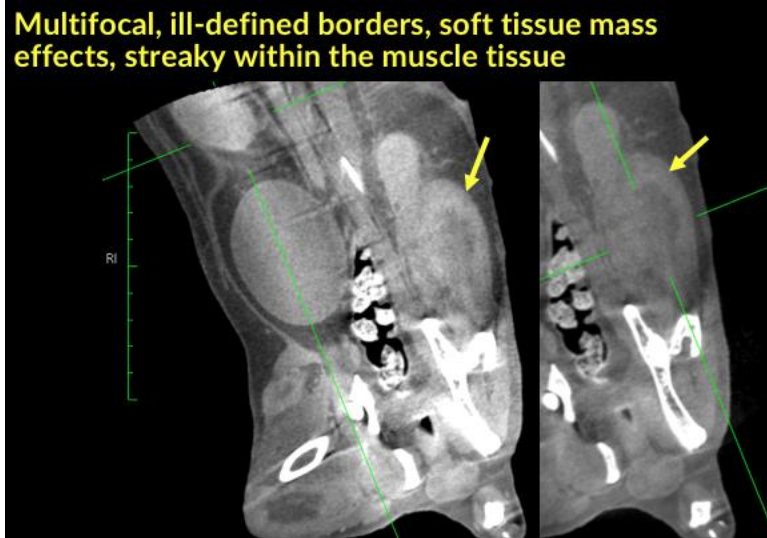
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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