



PATIENT PRESENTING CLINICAL SIGNS

Odin Ramos Patient presented for evaluation of focal monostotic aggressive bone lesion of the left ilial wing. Thoracic images included for met check. FNA of swelling over left ilium was non-diagnostic (lesion did not exfoliate well).

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE PELVIS AND THORAX

A pre- and post-contrast CT study of the pelvis thorax are provided to review totaling four series. One pre-contrast series of the thorax, bone algorithm. One pre-contrast series of the pelvis, bone algorithm. Two post-contrast series of the pelvis, soft tissue algorithm.

BREED

Rhodesian Ridgeback

PELVIS

SEX

MN

Centered on the wing of the left ilium is a multifocal expansile osteolytic, osteoproliferative sclerotic patchy osseous proliferation and cortical proliferation. The cortical osteoproliferative characteristics show an amorphous aspect. In addition, an irregular dystrophic mineralization of the adjacent soft tissue muscle mass is seen affecting the left gluteal medius muscle. An oblique osseous discontinuity is also identified in the most proximal portion of the wing of the left ilium and associated with the described lesion.

AGE

5 Years

The left medial iliac lymph node is mildly enlarged with normal shape and attenuation.

There is a reduction of the muscle mass volume of the left pelvic limb in comparison with the contralateral.

INTERPRETED BY

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

The lumbosacral vertebra, sacrum, and caudal vertebrae are unremarkable.

The coxofemoral joints are congruent.

THORAX

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The trachea and main bronchus are normal.

Multiple multifocal subpleural and pulmonary variably sized soft tissue nodules are seen in the lung fields and measuring between 0.5cm to 1.6cm in diameter.

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The pleural space and mediastinum are normal.

No evidence of enlarged mediastinal lymph nodes.

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The diaphragm and thoracic wall are normal.

Incomplete bridging spondylosis deformans is seen at T10-T11.

COMPUTED TOMOGRAPHIC DIAGNOSIS

DATE

7-18-23

- Monostotic expansile osteolytic and proliferative aggressive lesion affecting the wing of the left ilium and concurrent muscle mass dystrophic mineralization. Differential diagnosis includes neoplasm, for example, osteosarcoma, chondrosarcoma, fibrosarcoma.



- PATIENT** • Oblique pathologic fracture affecting dorsal portion of the wing of the left ilium.
 • Left medial iliac lymph node enlargement, reactive lymphadenitis or metastatic.
 Odin Ramos • Multiple soft tissue subpleural and pulmonary nodules indicates metastatic pulmonary disease.
 • T10-T11 spondylosis deformans, incidental.

SPECIES **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Canine The computed tomographic study reveals a monostotic expansile aggressive osteolytic lesion affecting the wing of the left ilium and is meeting neoplastic criteria. The main differential diagnosis includes neoplasm, for example, primary tumor of bone osteosarcoma, chondrosarcoma or fibrosarcoma. There is also concurrent evidence of pulmonary metastatic disease. These findings are correlated to the previously detected lesion. A biopsy is required to confirm the type of neoplastic process.

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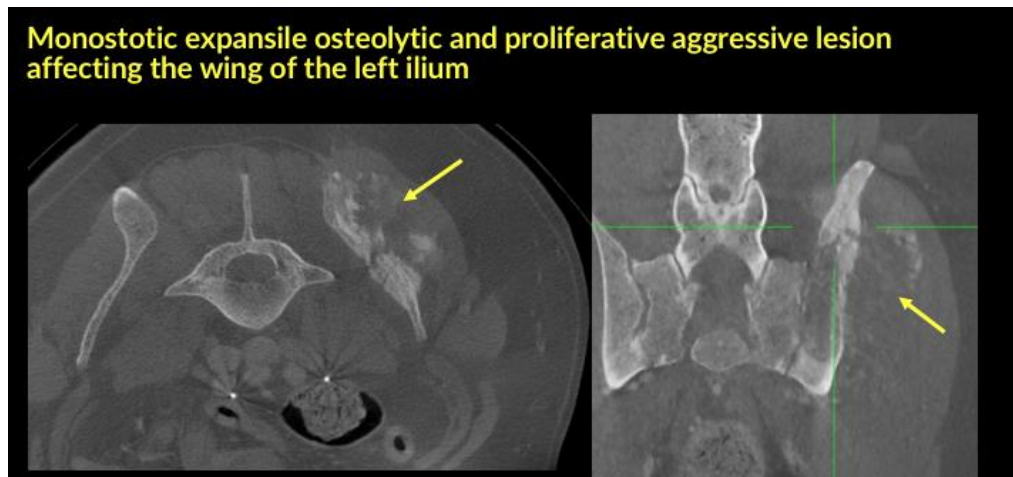
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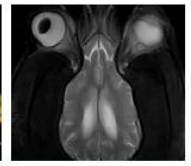
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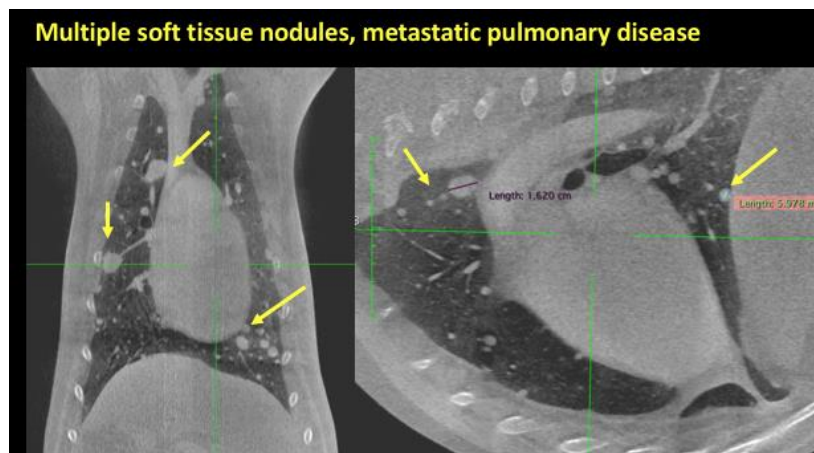
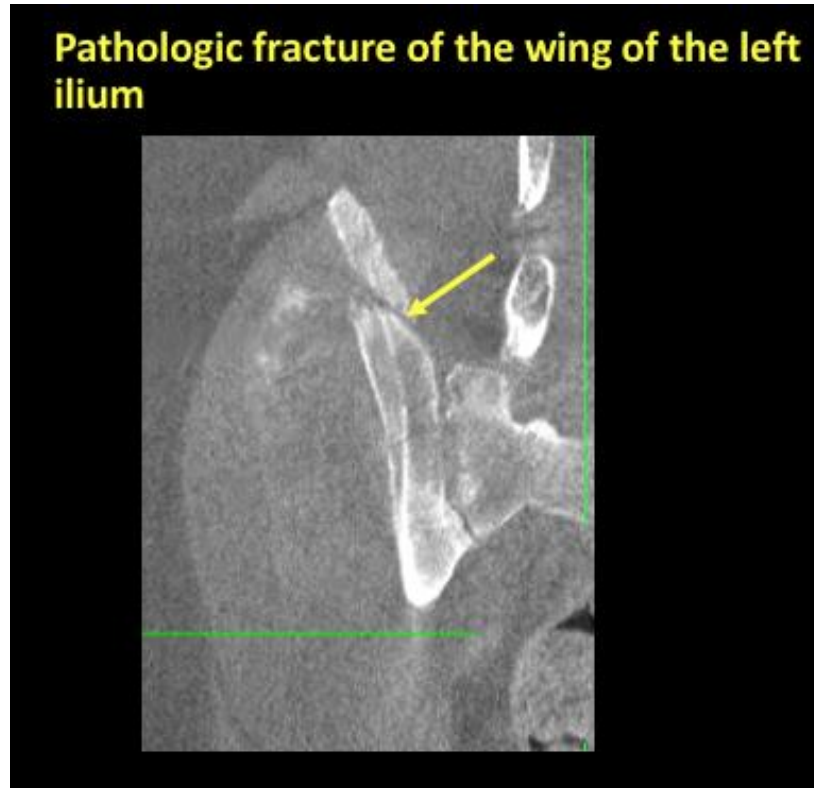
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PATIENT

Odin Ramos

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.

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