



**PATIENT PRESENTING CLINICAL SIGNS**

Murphy McHugh Aggressive expansile lytic lesion associated with the proximal one-third of the left scapula. Suspicion of a metastatic nodule superimposed over the trachea on the left lateral view.

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE THORACIC LIMBS AND THORAX.**

Canine Three CT series of the thoracic limbs and thorax, acquired prior to and following intravenous administration of the contrast media, are provided for review.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Golden Retriever **Left Thoracic Limb**

**SEX** Centered on the metaphysis/diaphysis proximal left scapula are multifocal expansile osteolytic, osteoproliferative, sclerotic, patchy osseous proliferations and an indistinct zone of transition. In addition, a multifocal cortical interruption is seen on the lateral, costal, and dorsal border of the scapula, as well as mild amorphous periosteal reactions seen adjacently. The length of the lesion involves at least 2/3 of the scapula.

**AGE** On the medial border of the scapula and contiguous left thoracic wall, a giant ovoid heterogeneous soft tissue mass effect is also seen. The mass effect measures approximately 16.0 cm x 15.0cm x 14cm. It involves the subscapularis, ventral thoracic serratus, and serratus ventral cervicis muscles.

5 Years, 9 Months

The axillary lymph nodes are enlarged and displaced laterally because of the soft tissue mass.

**INTERPRETED BY**

The shoulder joint is normal.

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

**Right thoracic limb**

The scapula, shoulder joint, and proximal humerus are unremarkable.

**HOSPITAL NAME**

**Thorax**

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The trachea and bronchi are normal.

The pulmonary parenchyma is normal in attenuation. No pulmonary nodules are seen.

**REFERRING VET**

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

Meaux

The diaphragm and thoracic wall are normal.

**INVOICE**

The musculoskeletal are unremarkable.

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Monostotic expansile aggressively osteolytic mass lesion of the left scapula, primary differential diagnosis is neoplasm.
- Left sided (ipsilateral) axillary lymphadenopathy, metastatic or reactive.
- Normal thorax

**DATE**

2-28-23



- PATIENT**
- No evidence of pulmonary metastatic disease.
  - No evidence of enlarged mediastinal lymph nodes.
  - No evidence of shoulder luxation or dysplasia.

Murphy McHugh

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SPECIES**

Canine

The CT study reveals a monostotic expansile aggressively osteolytic mass lesion of the left scapula that meets neoplastic criteria. The main differential diagnosis includes neoplasm, for example, primary tumor of bone such as osteosarcoma, chondrosarcoma, or fibrosarcoma. The improbable and unlikely differential diagnosis includes fungal osteomyelitis.

**BREED**

Golden Retriever

Bone biopsy is required for diagnosis.

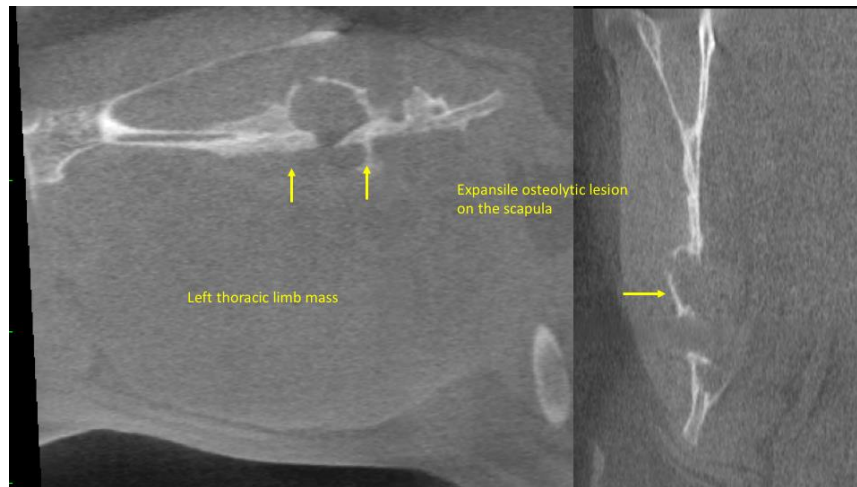
No evidence of pulmonary metastatic disease or enlarged mediastinal lymph nodes.

**SEX**

Neutered Male

**AGE**

5 Years, 9 Months



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**HOSPITAL NAME**

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**REFERRING VET**

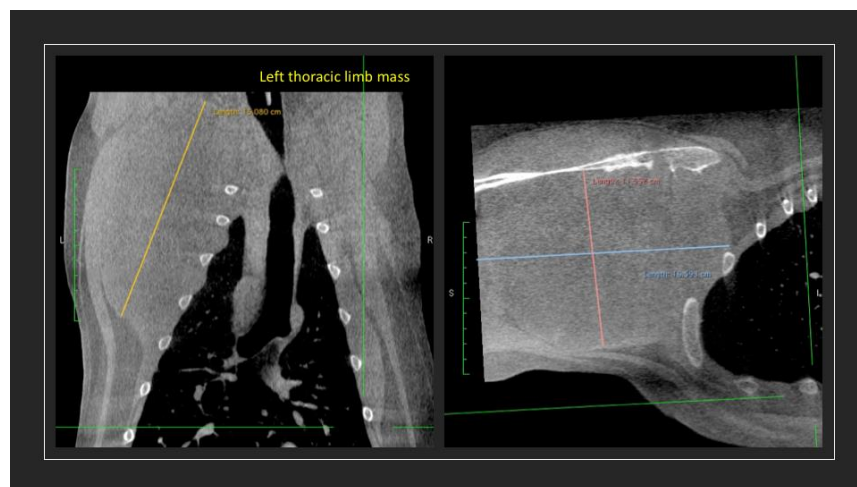
Meaux

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**PATIENT**

Murphy McHugh

**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

Neutered Male

**AGE**

5 Years, 9 Months

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Meaux

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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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