



**PATIENT PRESENTING CLINICAL SIGNS**

**Eade Sasha** Acute onset of gradual worsening swelling of the right front limb There is pitting oedema from the shoulder down to the digits and oedema around the ventral chest, some bruising on the medial aspect of the elbow. Started acutely and worsening every day. No response to NSAIDs

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Within normal limits - Blood work Physical palpation localizes shoulder pain and hardening of the muscles around the shoulder joint

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE THORACIC LIMBS**

**BREED** A pre and post-contrast series of the CT series of the thoracic limbs are joints are provided for review, totaling 7 series, 17 files. One pre-contrast of the thoracic limbs, soft tissue algorithm. Four pre-contrast of the thoracic limbs, bone algorithm. Two post-contrast of the thoracic limbs, soft tissue algorithm.

Irish Wolfhound X

**SEX COMPUTED TOMOGRAPHIC FINDINGS**

**F** RIGHT THORACIC LIMB

**AGE** There is a rounded to elongated, moderate in size, heterogeneous, mildly enhancing with ill-defined borders, soft tissue mass effect contiguous and within the triceps brachii muscles. The mass measures approximately 7.0cm by 6.5 cm by 4.9cm. The adjacent cortical bone structures are intact.

10 Years

Diffuse subcutaneous soft tissue swelling for the whole right limb is present, extending to the right ventral thoracic wall and right axilla.

**INTERPRETED BY**

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

A second, small, rounded, subcutaneous mass is seen dorsal to the right scapula, and measures approximately 1.7cm by 1.3cm.

**Right shoulder joint**

Semicircular shaped new bone periarticular formation is seen in the right greater tubercle and is correlated to the insertion of the supraspinatus muscle. Mild incongruency is noted as well.

**HOSPITAL NAME**

Colyton Veterinary Hospital

**Right elbow and antebrachial joints**

Mild heterogeneity and diminished attenuation are seen in the medial coronoid process. There are mild periarticular osteophytes in the humeral epicondyle and cranial aspect of the radial head. Minor subchondral bone sclerosis along the trochlear notch of the ulna is seen.

**REFERRING VET**

Dalton Nguyen

The antebrachial, carpal, and metacarpal joints are normal.

**LEFT THORACIC LIMB**

**INVOICE Left shoulder joint**

59846 A tiny mineral attenuating focus is seen in the topographic insertion of the supraspinatus muscle. The joint is congruent.

**DATE Left elbow and antebrachial joints**

8-21-23



**PATIENT**

Eade Sasha  
 Minor heterogenicity and diminished attenuation are seen in the medial coronoid process. There are mild periarticular osteophytes in the humeral epicondyle and cranial aspect of the radial head. Minor subchondral bone sclerosis along the trochlear notch of the ulna is seen.

**SPECIES**

Canine  
 Tiny irregular, mineral attenuating soft tissue structures are seen within the soft tissue in the dorsopalmar region of the carpal joint, contiguous de ulnar dorsal carpal surface, topographic region of the extensor digitorum lateralis muscle tendon.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**BREED**

Irish Wolfhound X

**SEX**

F

**AGE**

10 Years

- Large, rounded to elongated, mass effect with ill-defined border is affecting the muscle mass of the right thoracic limb, contiguous to the triceps brachii muscles. The differential diagnosis includes soft tissue neoplasm, for example, soft tissue sarcoma, fibrosarcoma, myxosarcoma, or others.
- Small, rounded subcutaneous mass dorsal to the right scapula; the differential diagnosis includes a metastatic mass or enlarged superficial cervical lymph node.
- Diffuse soft tissue swelling of the whole right thoracic limb, proximal to distal, extending to the ipsilateral ventral thoracic wall and axilla. The differential diagnosis includes inflammatory, vasculitis.
- Bilateral mineralizing supraspinatus tenosynovitis (> right side).
- Mild bilateral elbow osteoarthritis is likely correlated with fragmented medial coronoid process chondromalacia or joint instability.
- Small mineral attenuation of soft tissue within the soft tissues in the dorsopalmar region of the carpal joint, contiguous de ulnar dorsal carpal surface. The differential diagnosis includes tiny osteochondromas, mineral foci, and tendinopathy of the extensor digitorum lateralis muscle tendon, incidental subcutaneous soft tissue mineral foci.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The tomographic findings of the right thoracic limb correspond to the clinical suspicion of a neoplasm process; a soft tissue mass in the inner muscles is identified, associated with diffuse subcutaneous soft tissue swelling. The differential diagnosis includes malignant soft tissue sarcoma, malignant fibrous histiocytoma, malignant nerve sheath tumor, hemangiopericytoma, leiomyosarcoma, mesenchymal, fibrosarcoma, myxosarcoma, rhabdomyosarcoma, spindle cell tumor, liposarcoma, hemangiosarcoma, and lymphangiosarcoma. A benign lesion is less likely, but it should be considered. A biopsy is suggested for a definitive diagnosis. Possible fine-needle aspiration of the second rounded subcutaneous mass and the inner muscle mass with an ultrasound exam is suggested. In addition, consider a thoracic x-ray for a thoracic metastatic search.

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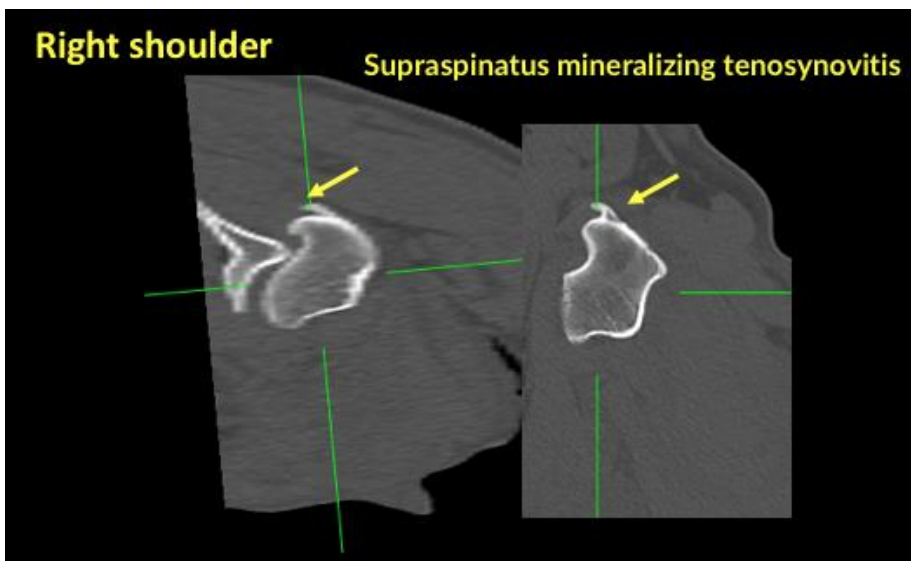
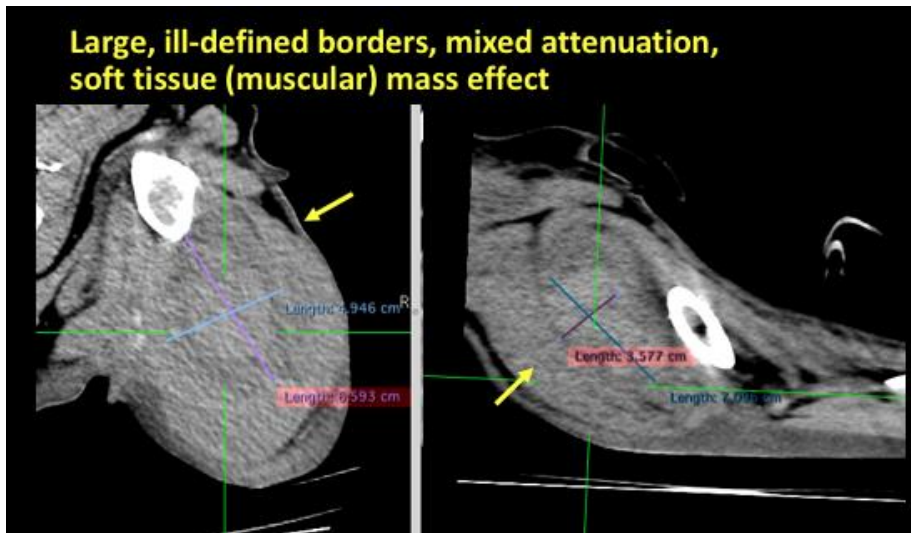
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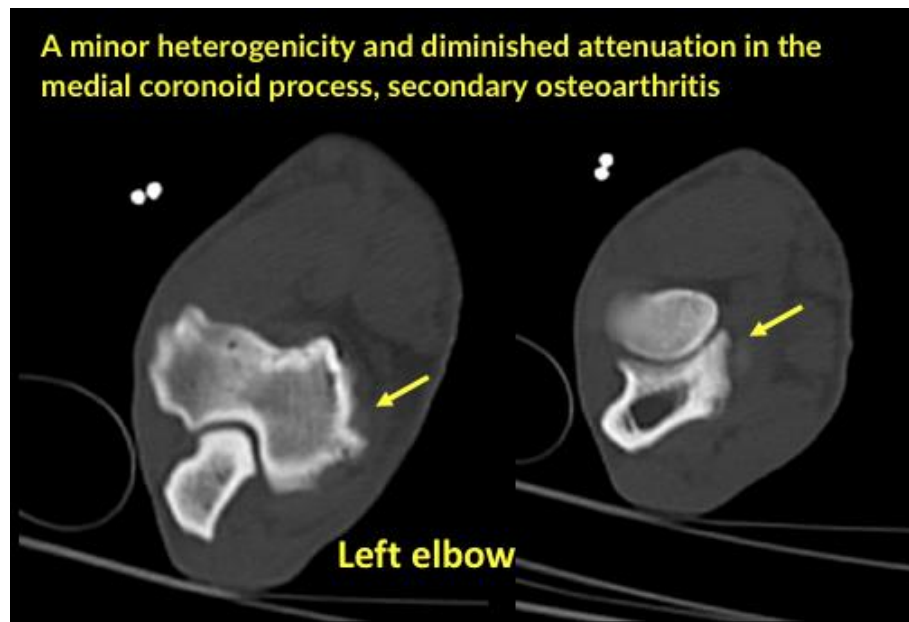
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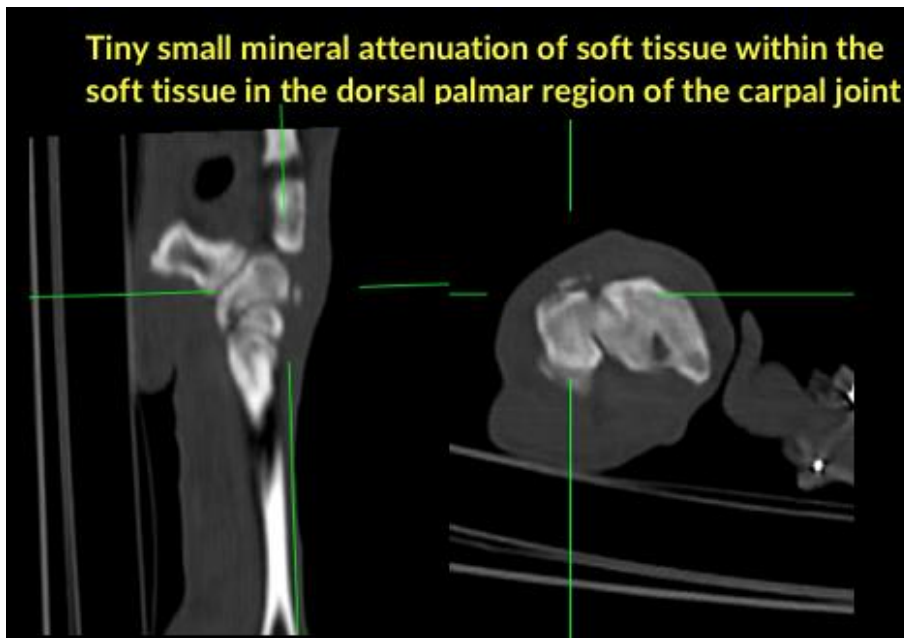
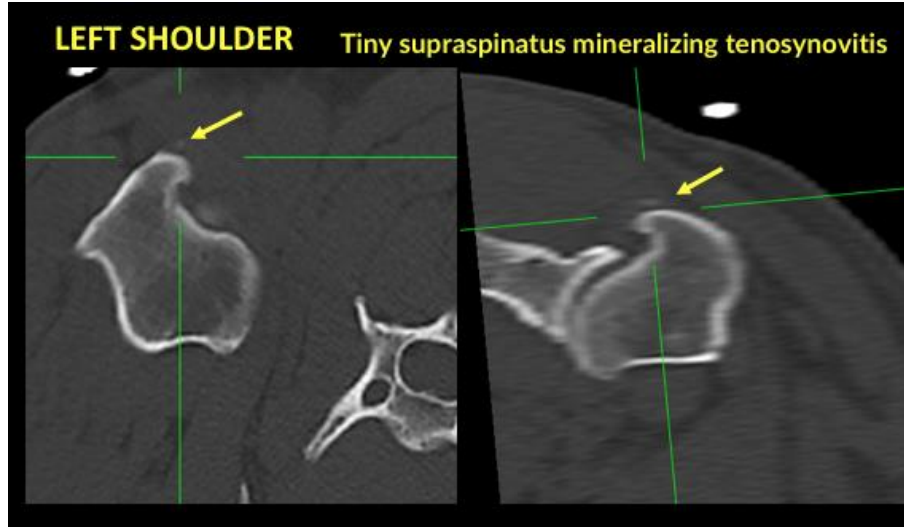
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet  
info@sonopath.com