



**PATIENT PRESENTING CLINICAL SIGNS**

Lucy Beardsley Lucy presents to MVCT for a CT of the elbows. Both Axial & Helical rotations submitted in soft tissue and bone algorithm, Hx of limping on L forelimb, vocalizing, painful for about 1 week. Still E/D, bearing some weight on the limb. Elbow radiographs taken by rDVM, markedly abnormal on both elbows. UTD vacc/prev care.  
**SPECIES** Abnormal PE/Chem/CBC/UA Results: Chem 10+SDMA/CBC WNL  
 Canine

**COMPUTED TOMOGRAPHY OF THE FRONT LIMBS**

A plain CT study of the front limbs in a bone and soft tissue reconstruction is provided for review.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

German Shepherd The periarticular bones of both elbow joints present moderate osteophyte new bone formation. The medial coronoid process of both elbow joints has mild irregular margins. The anconeal process of both elbow joints is separated from the ulnar by an irregular fissure line with sclerotic osseous margins.  
**SEX**

F The distal third of the left humeral diaphysis presents with a fingerprint like sclerotic zone of the medullary cavity.

**AGE COMPUTED TOMOGRAPHIC DIAGNOSIS**

- 2
- Focal myelosclerosis distal segment of the left humeral diaphysis.
  - Moderate degenerative osteoarthritis elbow joints bilaterally
  - Ununited anconeal process (UAP) elbow joints bilaterally
  - Equivocal signs for coronoid disease elbow joints bilaterally

**INTERPRETED BY**

Sebastian Schaub, DVM  
 Dr. med. vet. DipECVDI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**HOSPITAL NAME**

The acute onset of clinical signs can be either explained by the panosteitis of the left humerus or is the result of acute on chronic joint disease of the elbow joint. The latter can be a sequela to the ununited anconeal process. The medial coronoid process presents non-specific findings that can be the result of degenerative joint disease or is the result of accompanying coronoid disease.

Mobile Veterinary CT

**REFERRING VET**

Check if pain can be elicited by pressure on the distal humeral diaphysis – supporting the diagnosis of panosteitis – and if pain can be elicited by pressure on the medial compartment of the elbow joints.

Erin Henderson

Arthroscopy might be considered to revise the elbow joints ± remove the ununited anconeal process to prevent further damage – be aware that the anconeal process can present a tight fibrous connection to the ulna that is not appreciated by CT.

**INVOICE**

53891

**DATE**

9-1-22



**PATIENT**

Lucy Beardsley

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Canine

**BREED**

German Shepherd

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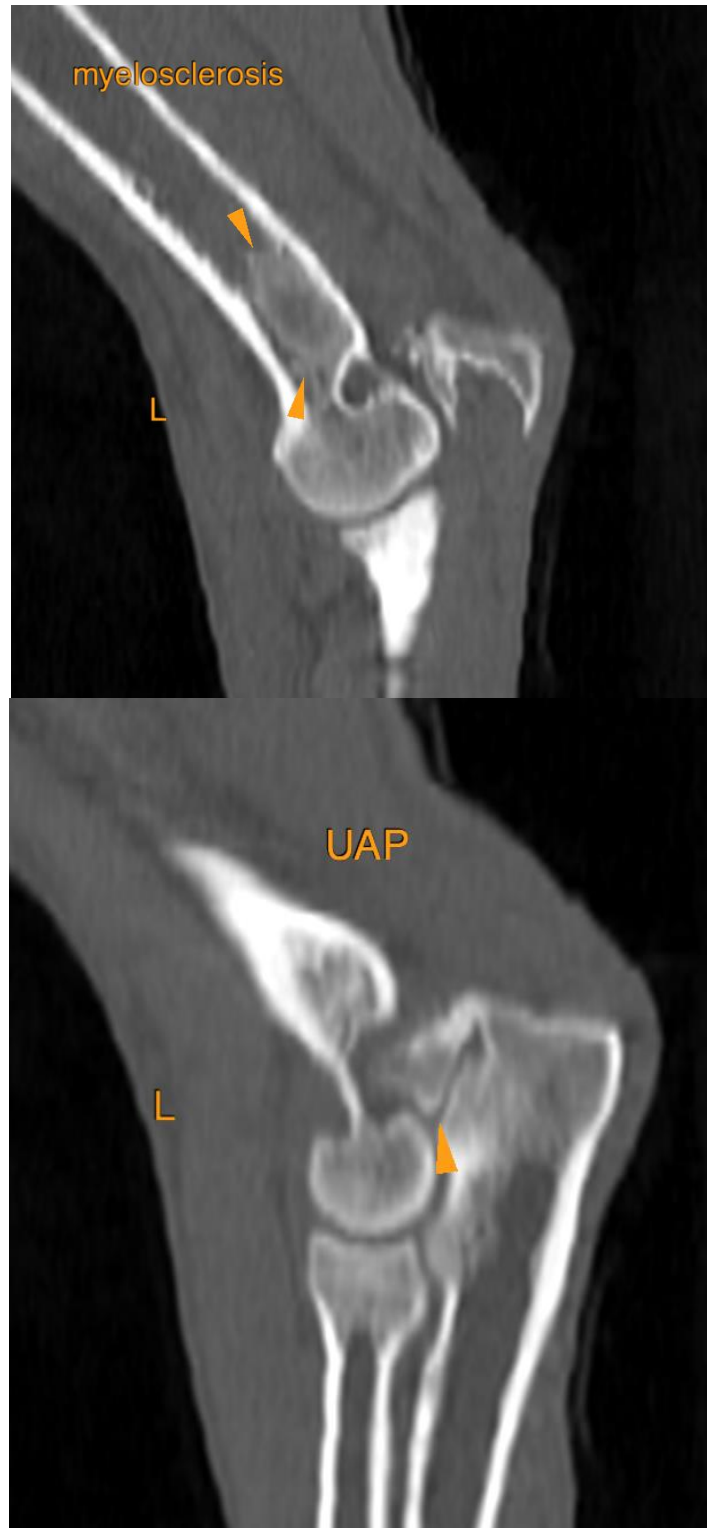
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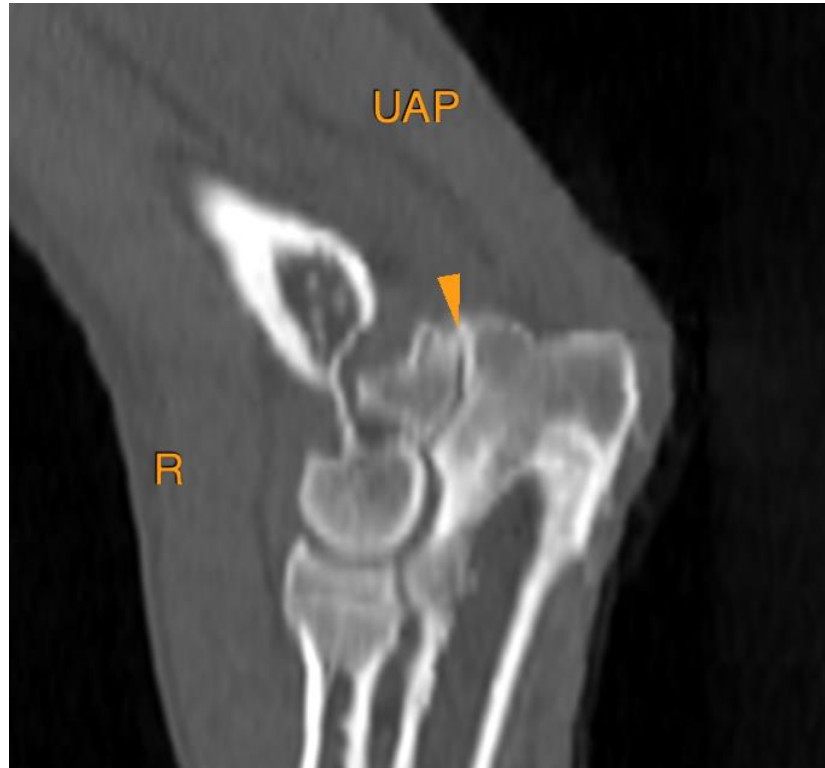
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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