



**PATIENT**

Cooper Killen

**PRESENTING CLINICAL SIGNS**

lame since 17/12 xrays taken 06/01 xrays findings: L elbow linear radiolucency between humeral condyles (fracture?) R elbow small bony fragment medial to the humeral condyles L carpus nad L shoulder NAD

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE ELBOWS**

Plain studies of both elbows available for review.

**BREED**

Springer Spaniel

**COMPUTED TOMOGRAPHIC FINDINGS**

**Left Elbow**

Complete separation of the medial and lateral humeral condyles is seen with a hyperattenuating well delineated intercondylar line presenting a mild zigzag course. The separation involves the articular surface of the humerus. Deep peripheral medullary bone sclerosis is seen within both the lateral and medial humeral condyles. There is no evidence of displacement; however, a large amount of periarticular and periosteal new bone is seen and accentuates the lateral humeral epicondyle which indicates increased stress on the lateral segment.

**SEX**

Male

**AGE**

3

A submillimeter sized osseous structure is seen in the flexor origin.

**Right Elbow**

The fusion of the lateral and medial humeral condyles is incomplete as indicated per interrupted hypoattenuating lines. The articular surface however is intact. No significant periarticular new bone formation is seen other than a 3mm sized rounded structure medial of the medial humeral epicondyle.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Bilateral incomplete ossification of the humeral condyles with pathologic intercondylar fracture in the left elbow and secondary osteoarthritis as well as lateral humeral periostitis.
- Ununited medial humeral epicondyle with flexor enthesopathy of the right elbow.

**HOSPITAL NAME**

Animal Trust -  
Ellesmere Port

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There is evidence of disturbed endochondral ossification of the intercondylar physis in the distal humerus in both front limbs; however, the changes are mild and incomplete in the right elbow while complete separation in terms of a pathologic intercondylar fracture is present in the left elbow. Moderate secondary osteoarthritic changes and periostitis are seen in the left elbow.

**REFERRING VET**

Hollie Sharp

**INVOICE**

49791

Ununited medial humeral epicondyle with flexor enthesopathy is present as an additional finding in the right elbow. The clinical significance of which, however, may vary. The changes in the left elbow are likely to require open reduction and internal fixation.

**DATE**

1-24-22



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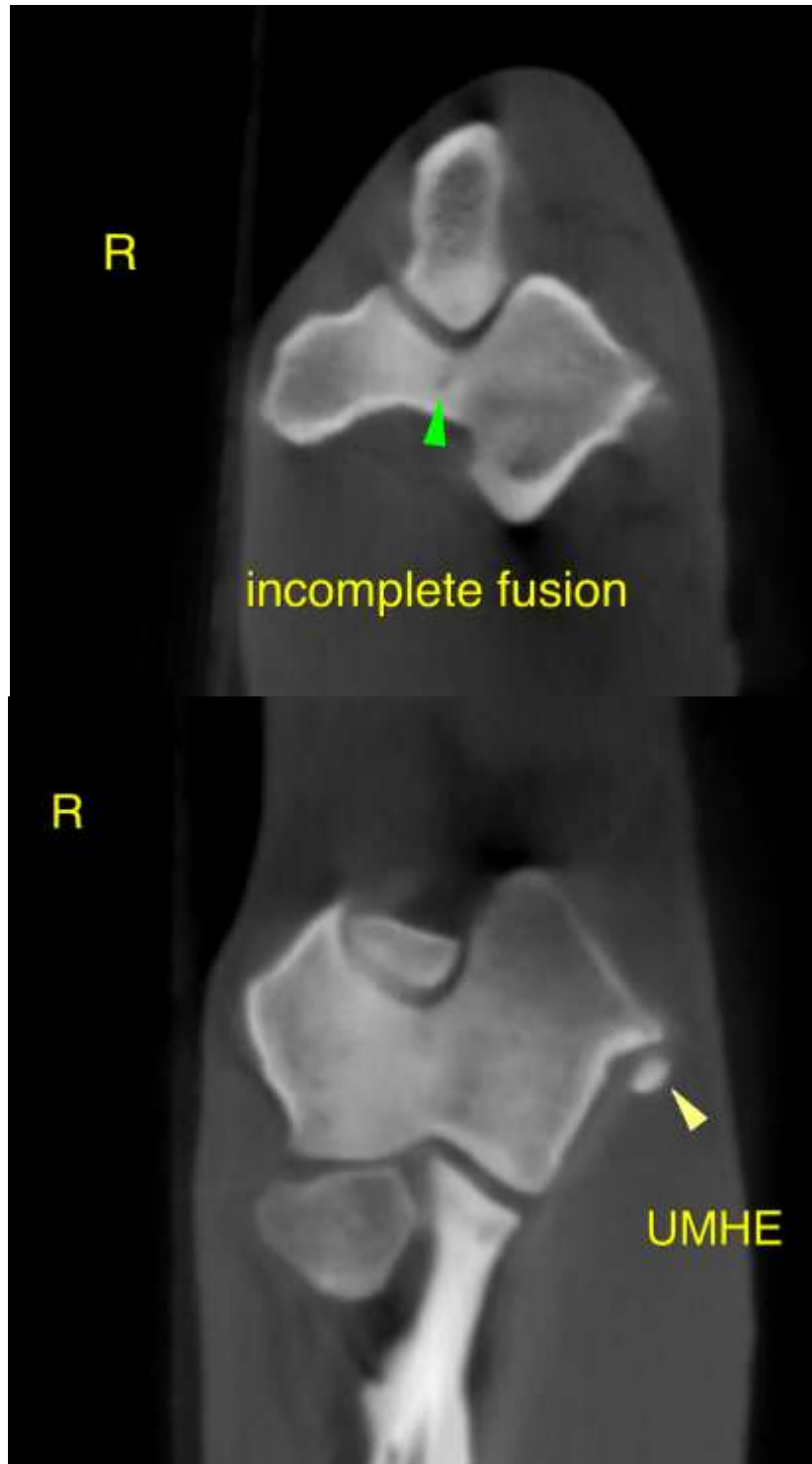
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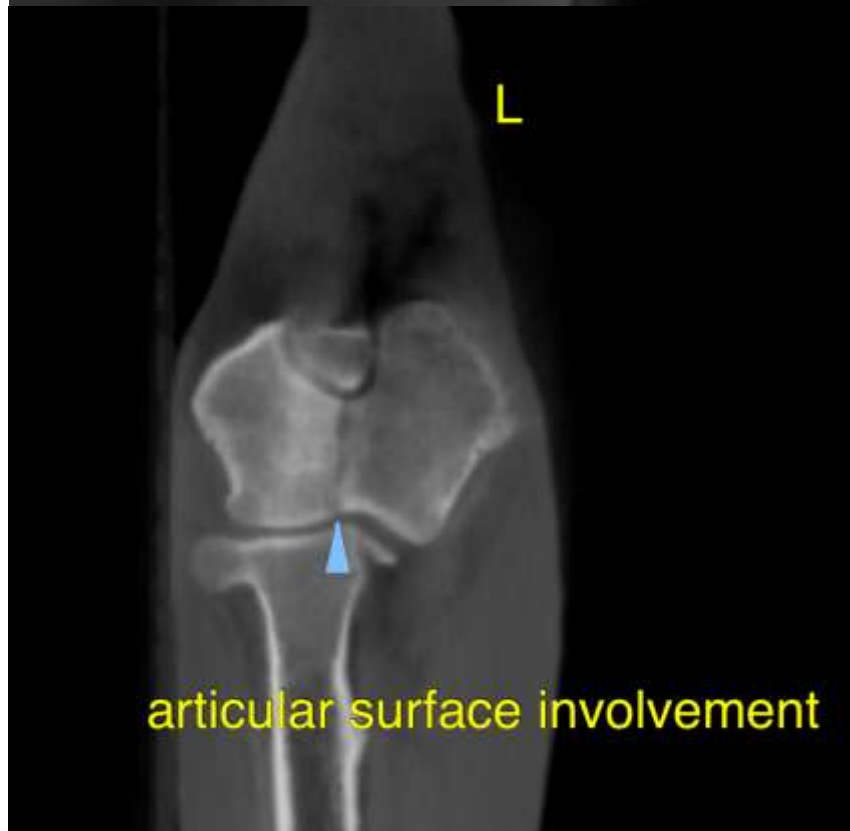
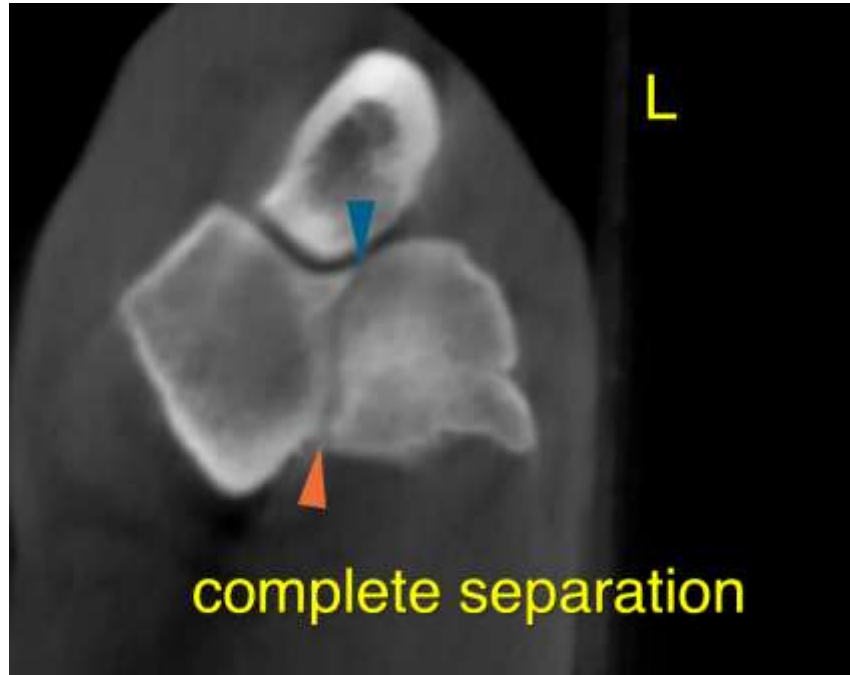
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**SPECIES**

Canine

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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

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