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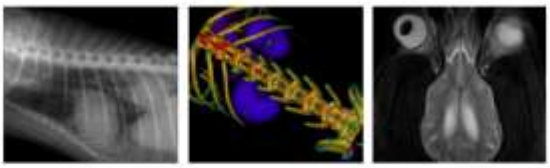

SonoPath.com
1-800-838-4268 info@sonopath.com

**PATIENT**

Diesel Paunovich

**SPECIES**

Canine

**BREED**

American Bulldog

**SEX**

MN

**AGE**

4 Years

**INTERPRETED BY**

Nele Eley, DVM
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Animal Health Partners

**REFERRING VET**

Dr. Jeffery Biskup

**INVOICE**

48385

**DATE**

11-16-21

## PRESENTING CLINICAL SIGNS

Forelimb lameness - suspected elbow pain, left worse than right CT bilateral elbows and shoulders performed in sternal recumbency

## COMPUTED TOMOGRAPHIC STUDY OF THE ELBOWS & SHOULDERS

Plain studies in bone and soft tissue windows available for review.

## COMPUTED TOMOGRAPHIC FINDINGS

Mild C7/T1 spondylosis deformans is seen within the included cervical spine.

### Right Elbow

A 2mm sized sclerotic fragment is isolated from the tip of the medial coronoid process. The base of the medial coronoid process presents sclerosis with loss of its trabecular bone pattern.

Mild radioulnar incongruity is noted.

There is no evidence of subchondral bone defects.

A moderate amount of periarticular new bone formation is seen.

### Left Elbow

Severe deformity, decreased attenuation, and new bone formation of the medial coronoid process is seen.

There is severe radioulnar incisure incongruity.

Subchondral bone erosion of the medial humeral condyle and ulnar are seen with mildly irregular joint space width.

A moderate amount of periarticular new bone is seen including the lateral and medial humeral epicondyles.

### Right Shoulder

Foci of mineralization are present within the supraspinatus tendon and within the lining of the bicipital tendon sheath.

There is a mild amount of periarticular new bone formation.

### Left Shoulder

A mild amount of periarticular new bone is seen.

There is no evidence of articular or periarticular mineralization and no evidence of subchondral bone defects.

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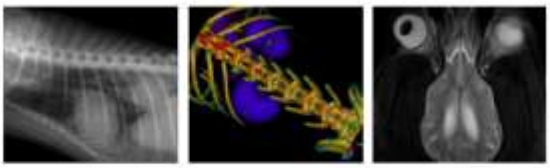

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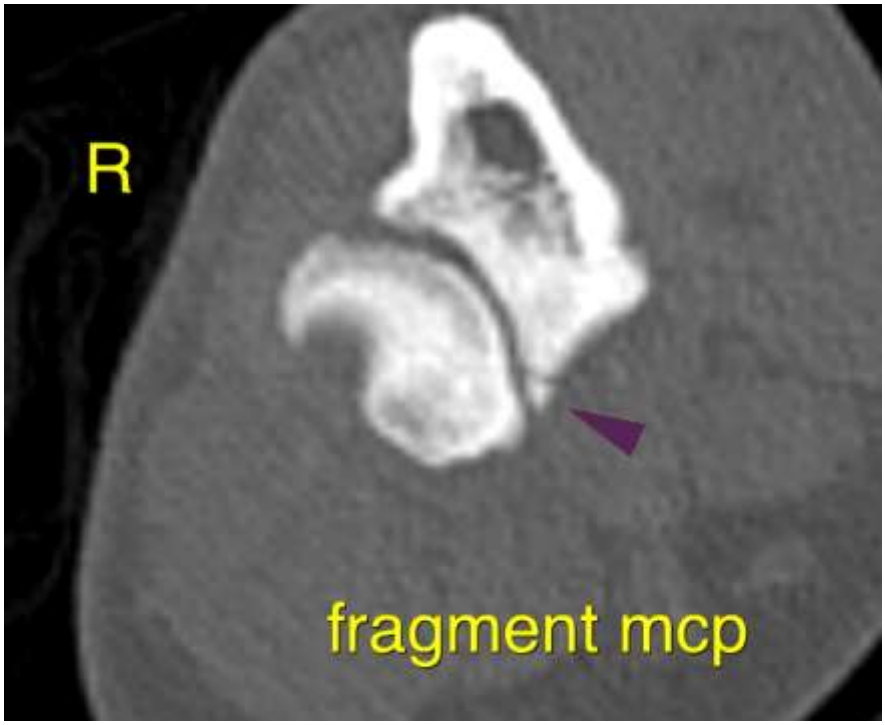
## COMPUTED TOMOGRAPHIC DIAGNOSIS

- Medial coronoid pathology with fragmentation and moderate secondary osteoarthritis of the right elbow.
- Medial coronoid pathology with presumed medial compartment syndrome and moderate osteoarthritis as well as flexor and extensor enthesopathy of the left elbow.
- Mineralizing supraspinatus tendinopathy and evidence of chronic biceps tenosynovitis in the right shoulder.
- Mild osteoarthritis of the left shoulder.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals bilateral elbow dysplasia with medial coronoid disease. A well delineated fragment is isolated from the tip of the medial coronoid process in the right elbow. The changes of the left elbow suggest medial coronoid pathology without fragmentation; however, severe medial compartment syndrome is suggested by the presence of subchondral bone erosion in the medial joint compartment. Moreover, moderate osteoarthritic findings and evidence of concurrent flexor and extensor enthesopathy is seen.

There is mineralizing supraspinatus tendinopathy with presumed chronic biceps tenosynovitis in the right shoulder and mild osteoarthritis of the left shoulder. These changes may be of subordinate clinical significance; however, full assessment of the soft tissue changes in the right shoulder would either require ultrasound or an MRI of the effected structures.



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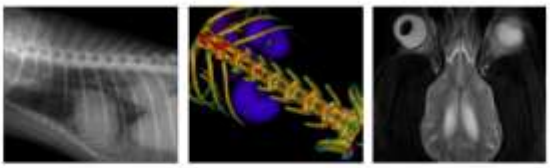

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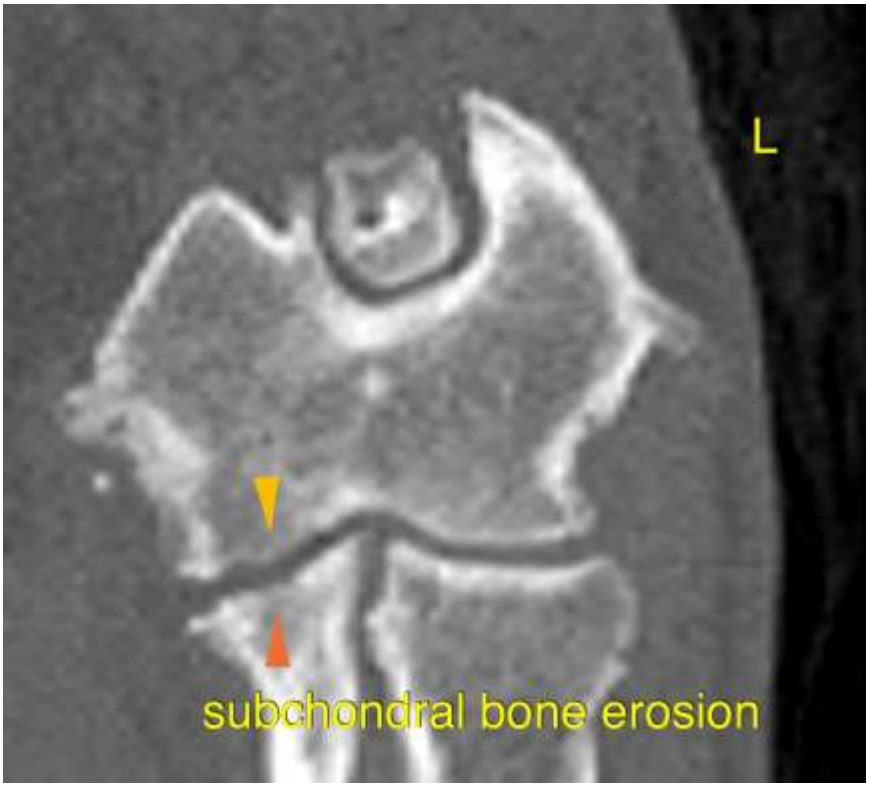


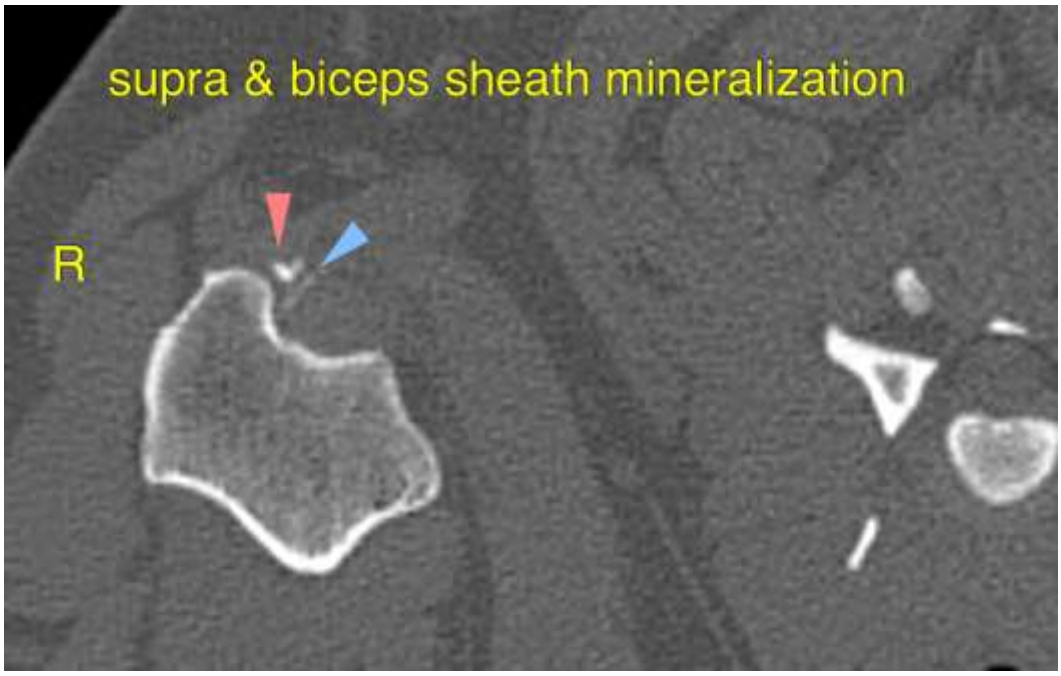

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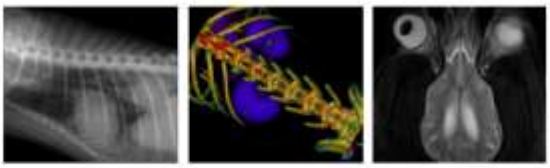

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**The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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.

**Nele Eley**, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com