



**PATIENT PRESENTING CLINICAL SIGNS**

**Luna Bragg**  
**SPECIES** Luna, a 1 year 6 month old Female Spayed Bouvier Des Flandres, was presented to the Toronto Animal Health Partners Surgery Service for evaluation of elbow dysplasia; O has only noticed the left side bothering her. The lameness was initially noticed last summer; after another accident with another dog at 10 months old. Lameness is progressively getting worse, especially within last few months. Improved after arthroscopy, but lameness returned. Normal EDUD; No VDSC; Energetic.  
**BREED** Canine  
**AGE** Abnormal PE/Chem/CBC/UA Results:

**COMPUTED TOMOGRAPHY OF THE FRONT LIMBS**

A pre- and post-contrast CT study of the front limbs in a bone and soft tissue reconstruction is provided for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

Both shoulder joints present smooth osseous margins and the surrounding soft tissue structures are within normal limits.

The periarticular bones of both elbow joints present moderate osteophyte new bone formation. The tip of the medial coronoid process of the right elbow joint is separated from the base, resulting in an irregular triangular shaped isolated fragment measuring 7.5 x 3.8 x 8.9 mm in size. In both elbow joints a radio-ulnar step is seen, measuring 1.3 mm in the right elbow joint and 2.1 mm in the left elbow joint. The subchondral bone of the left medial humeral condyle opposing the medial coronoid process presents a mild heterogeneous density.

At the dorsolateral aspect of the left ulnar carpal bone, an isolated crescent shaped mineralized body measuring 5 x 3 x 3 mm in size – the ulnar carpal bone presents with a corresponding smoothly margined depression.

At the palmaromedial aspect of the right radial carpal bone, multiple small (<3.5 mm), smoothly margined mineralized bodies are seen

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Fragmented medial coronoid process (FCP) right elbow joint
- Coronoid disease left elbow joint
- Mild radio-ulnar step formation elbow joints bilaterally, L>R
- Moderate degenerative osteoarthritis elbow joints bilaterally
- Isolated mineralized body dorsolateral aspect of the left ulnar carpal bone
- Multiple small mineralized bodies mediopalmar aspect right radial carpal bone
- Structural normal shoulder joints

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The findings are consistent with moderate chronic degenerative joint disease of both elbow joints due to a fragmented medial coronoid process (R)/coronoid disease (L).

Arthroscopy is recommended to revise the elbow joints and remove the fragments of the medial coronoid process and prevent further damage.

The mineralized body at the dorsal aspect of the left ulnar carpal bone might be a sequela to traumatic insult and slab fracture or disturbed ossification – the clinical relevance is

**PATIENT**  
 Luna Bragg

**SPECIES**  
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**BREED**  
 Bouvier Des Flandres

**SEX**  
 FS

**AGE**  
 1 Year, 6 Months

**INTERPRETED BY**  
 Sebastian Schaub, DVM  
 Dr. med. vet. DipECVDI

**HOSPITAL NAME**  
 Animal Health Partners

**REFERRING VET**  
 Dr. Lea Mehrkens

**INVOICE**  
 52263

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questionable, due to lack of degenerative changes or pathological swelling.

The mineralization at the palmar aspect of the right radial carpal bone are most consistent with metaplasia, likely an incidental finding.

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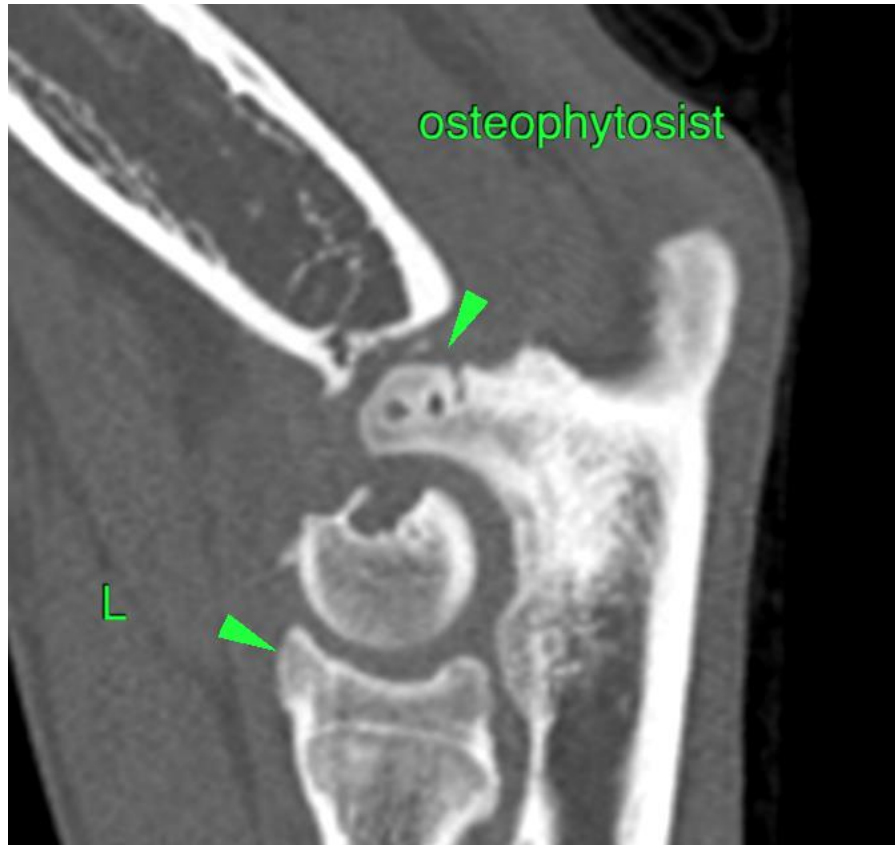
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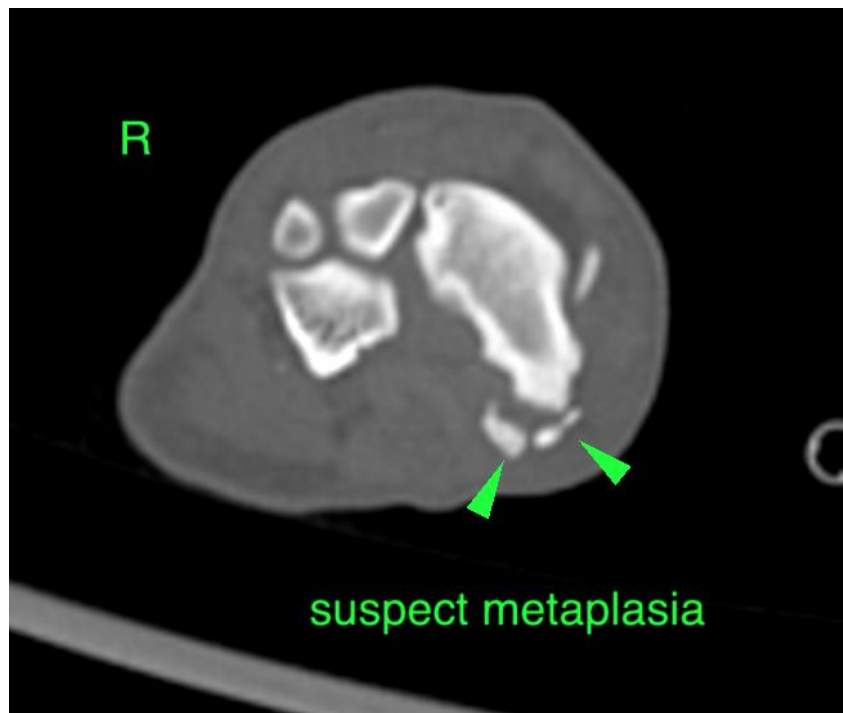
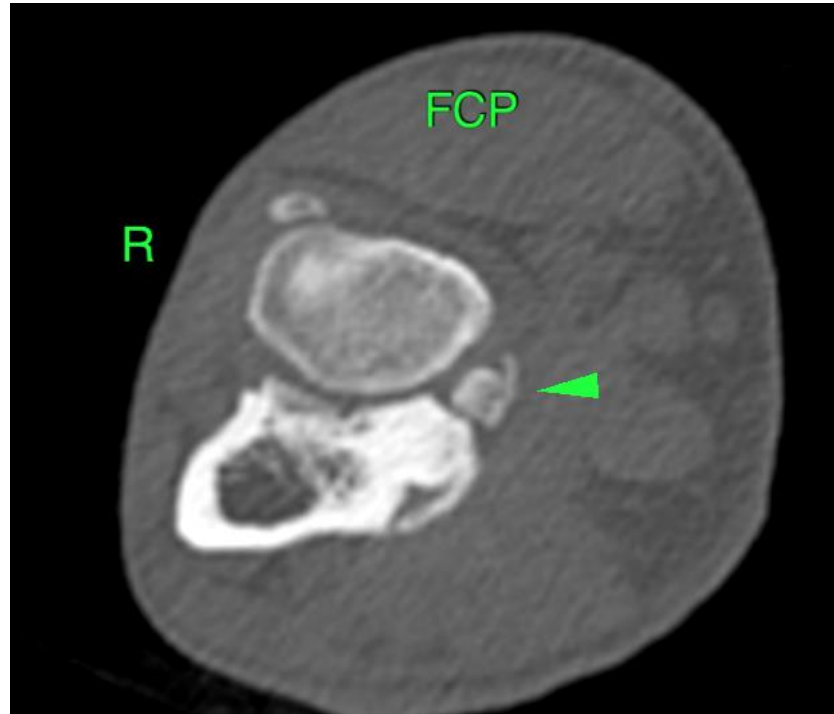
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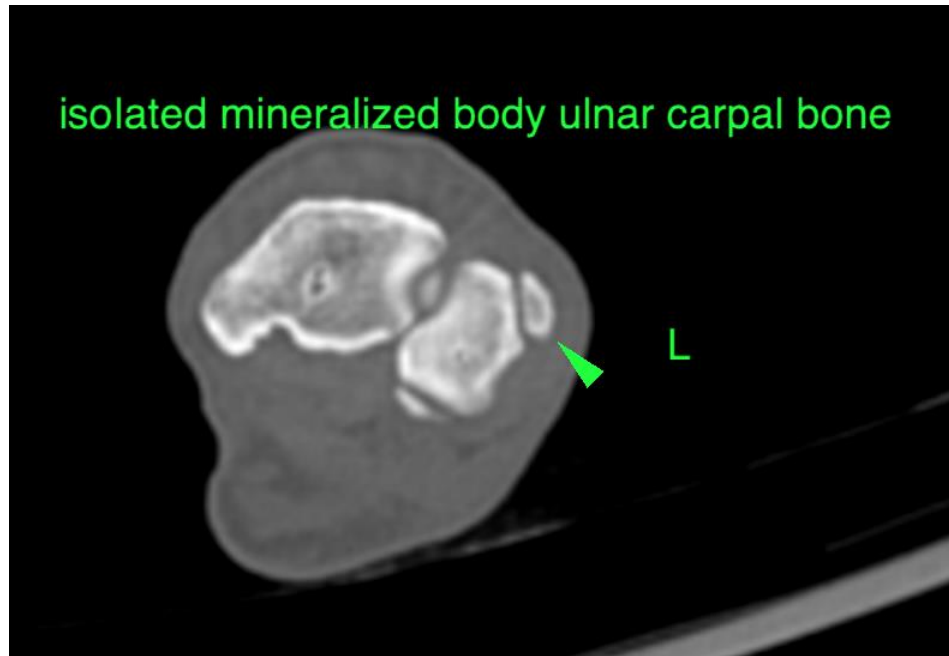
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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