



**PATIENT**

Bella Difalco

**PRESENTING CLINICAL SIGNS**

Rule out IVDD, osteophytes in elbows. Rule out CNS, intermittent pain, limping in front legs

**SPECIES**

K9

**COMPUTED TOMOGRAPHIC STUDY OF THE ELBOWS & ENTIRE SPINE**

Plain and post contrast studies available for review.

**BREED**

Pitbull Mix

**COMPUTED TOMOGRAPHIC FINDINGS**

**Elbows**

At least four small isolated osseous structures between 1.5mm and 2.5mm are seen within the right elbow; One of which is situated within the cranial joint compartment, two are close to the tip of the medial coronoid process, and one is in the caudal joint compartment but with moderate displacement from the tip of the medial coronoid process.

**SEX**

FS

The tip of the right medial coronoid process is ill-defined and heterogeneous. The heterogeneity can be traced into the radioulnar incisure. A small subchondral bone defect is seen in the medial aspect of the medial humeral condyle. The periarticular margins present a moderate amount of osteophytes.

**AGE**

7 Years, 8 Months

Deformity and heterogeneity as well as sclerosis of the medial coronoid process are seen in the left elbow. No evidence of isolated fragments of fissure lines are noted. There is no evidence of subchondral bone defects within the medial humeral condyle. A mild amount of periarticular osteophytes is present.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**Spine**

Number, alignment, and anatomy of the cervical vertebrae present within normal limits. No evidence of disc associated spinal cord compression or other structural myelopathy is seen.

**HOSPITAL NAME**

Rockaway Animal  
Hospital

Number, alignment, and anatomy of the thoracic vertebrae present within normal limits.

Focal mineralization of the dorsal longitudinal ligament is noted within the cranial lumbar spine at L1/2 and L2/3. There is no evidence of significant spinal cord compression. The remainder of the lumbar spine presents within normal limits.

**REFERRING VET**

Dr. Sanam Maniar

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Medial coronoid pathology with fragmentation and kissing lesion of the medial humeral condyle in the right elbow with moderate right elbow osteoarthritis.
- Medial coronoid pathology without fragmentation or fissure with mild osteoarthritis of the left elbow - of questionable clinical significance.
- Normal CT findings of the cervical and thoracic spine.
- Degenerative disc disease and dorsal longitudinal ligament mineralization L1/2 & L2/3.

**INVOICE**

47700

**DATE**

10-6-21

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The main finding appears to be the elbow dysplasia and moderate osteoarthritis of the right elbow. Secondary to fragmentation of the medial coronoid process, there appears to be a



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subchondral bone defect in terms of a kissing lesion within the medial humeral epicondyle. The degree of osteoarthritic findings is moderate.

Mild osteoarthritis of the left elbow is noted as well. However, there is no evidence of a medial coronoid process fragment or fissure, and clinical significance may not necessarily be given here.

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The CT findings of the spine are within age related normal limits. Assessment for neuroparenchymal changes may be limited with CT. In case of clear central nervous system signs, an MRI would be an option for further definition in this patient. However, based on the CT findings, no evidence of cervical or other myelopathy was found.

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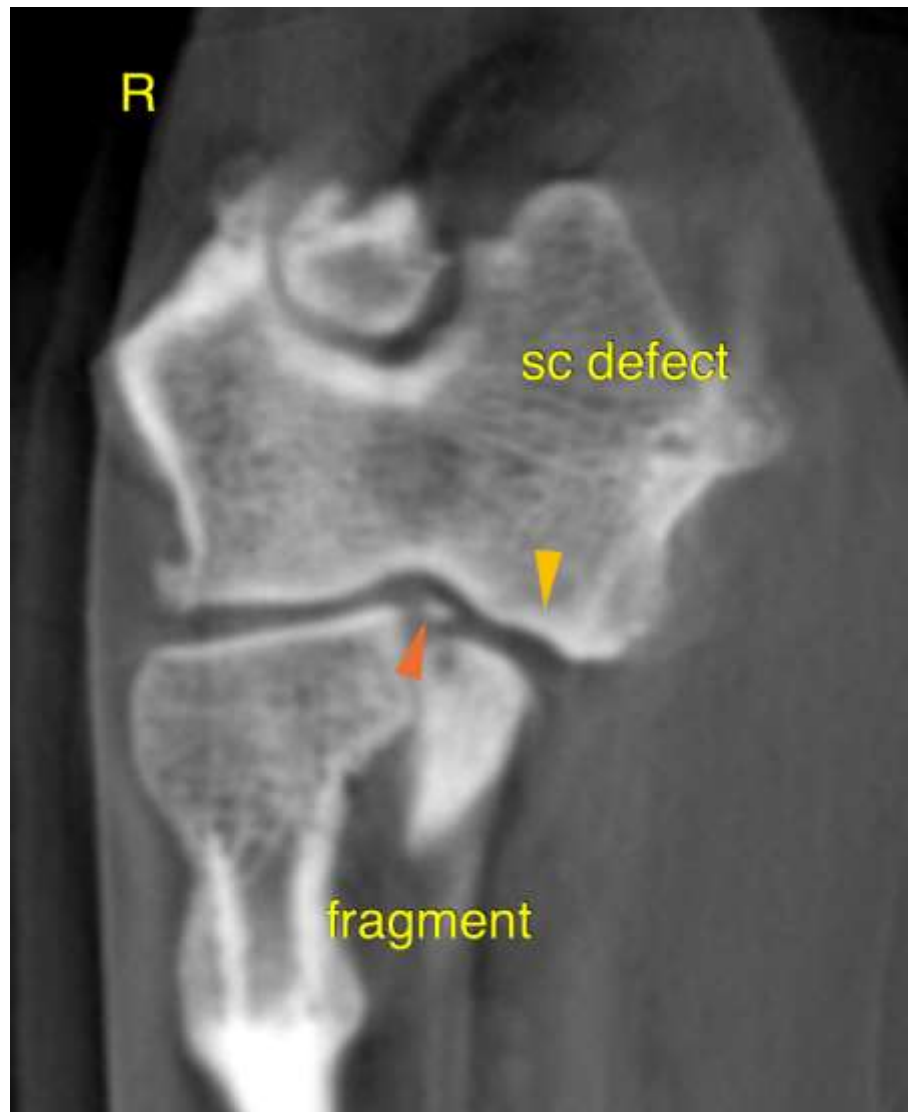
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**SPECIES**

K9

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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
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