



**PATIENT**

Rigby Elliot

**PRESENTING CLINICAL SIGNS**

Bilateral forelimb lameness - valgus deformity, possible Wobblers? orthopedic CT performed of bilateral forelimbs

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC FINDINGS**

Cervical spine:

**BREED**

Goldendoodle

Presented bony structures of the spine are unremarkable. There is mild narrowing of the vertebral canal noted at the level of the atlanto-axial transition. In addition to that mild malalignment of C4 and C5 is detected with subtle kyphosis. Vertebral bodies are of regular density without signs of a lytic or sclerotic process. There is no evidence of a fracture and/or sub-/luxation. The spinal cord is located centrally and is homogeneous without signs of a compressive lesion. Calcification of the nuclei is not recognized. The intervertebral disc spaces are of even diameter. Paravertebral soft tissues are bilaterally symmetrical and inconspicuous.

**SEX**

MN

**AGE**

1 Year

Paws, metacarpal and carpal joints and bones are unremarkable. In the presented position mild valgus deformity is suspected more right than left. Relevant deviation of the carpal joints is not recognized.

**INTERPRETED BY**

Both shoulder joints show normal findings.

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Certified Vet  
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Elbows:

Both elbow joints show similar findings. There is mild new bone formation recognized especially at the medial parts of the joint showing mild osteophytes at the medial epicondyle and the medial coronoid process. A fragmentation and/or fissure line of the latter is not detected. Bone density of the medial process appears mildly increased. The radioulnar joint space presents subtle incongruity with an inconspicuous subchondral margination of the trochlea. Periarticular soft tissues are inconspicuous.

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Narrowing of the vertebral canal C1-C2
- Malalignment C4/5 with subtle kyphosis
- Bilateral mild arthrosis of the elbow joints without compelling signs of a fragmentation/radioulnar fissure line and of the medial coronoid process
- Mild valgus deformity right more than left

**REFERRING VET**

Dr. Lea Mehrkens

**INVOICE**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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CT findings show bilateral mild arthrosis of the elbows without a classic lesion of the coronoid process. Incongruity and chronic improper load could explain these findings and I suspect them to



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be of clinical relevance. Medial enthesopathy of the flexor muscles is a potential differential diagnosis.

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Instabilities of the atlanto-axial transition cannot be excluded with CT alone and are dependent on head positioning. The narrowing of the bony vertebral canal is an indirect sign, temporary compressive circumstances are possible with dynamic conditions. The mild malalignment of C4-C5 is another indirect sign and may cause temporary compression as seen with cervical spondylomyelopathy.

**BREED**

Goldendoodle

However, a spinal cord compression is not detected in the current study. If there are relevant neurologic symptoms a complementary MRI is recommended.

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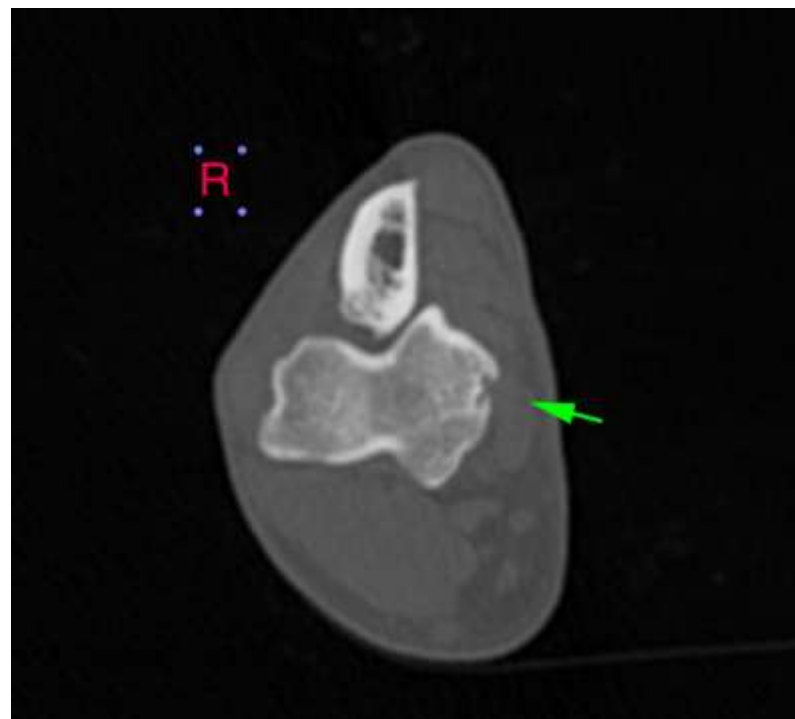
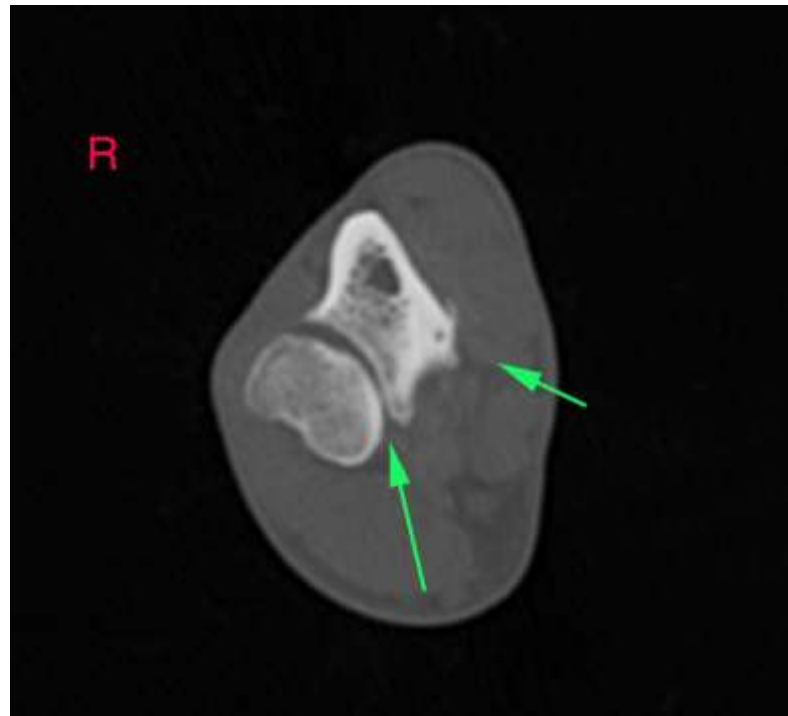
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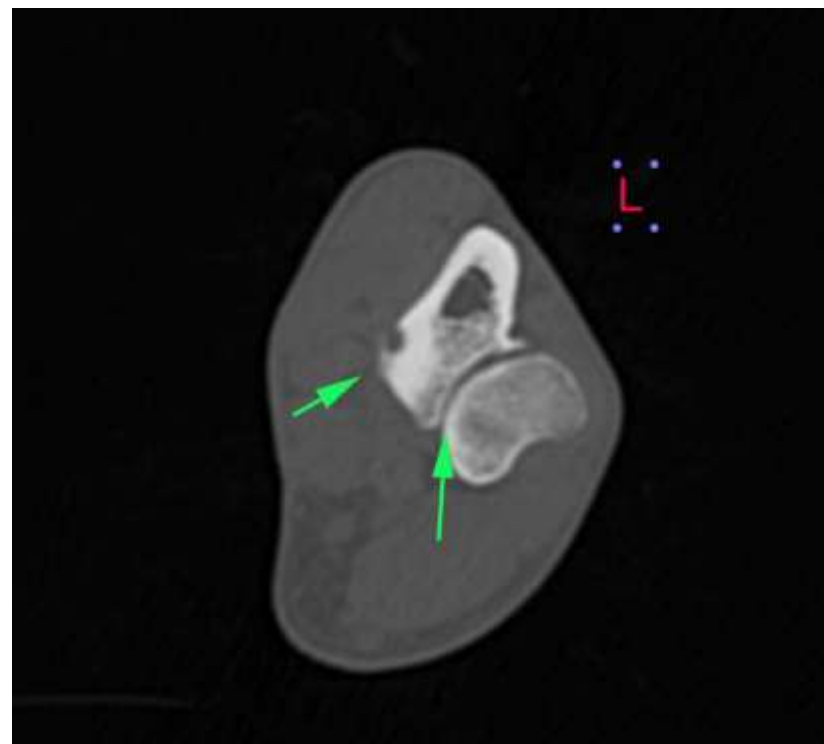
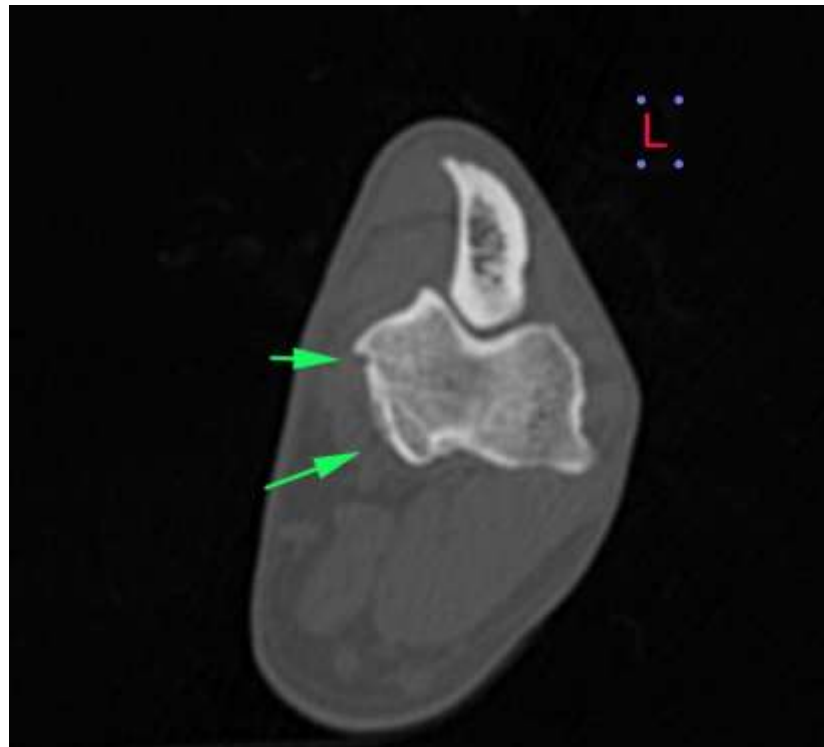
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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 Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging**  
Sebastian.Jawinski@sonopath.com

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