



PATIENT PRESENTING CLINICAL SIGNS

Murphy McCann

History: Murphy, a 1-year-old Male Neutered American Bulldog, was presented to the Toronto Animal Health Partners Surgery Service for evaluation of a left pelvic limb lameness. Murphy was initially noticed to be limping on the left pelvic leg since he turned a year old. Had an orthopedic surgery as a puppy. Was the runt of a litter, was stepped on as a puppy. Did surgery prior to these owners adopting him. Has been on metacam, which has helped with the swelling and pain. After extreme activity he has hangover pain the next 1-2 days. Has trouble rising and doing stairs. Have noticed instability of left ankle and a popping motion at times. Right forelimb lameness has also been appreciated. Swelling of ankle on LPL Radiology report: -marked osteophytes along the dorsal and lateral aspect of intertarsal and tarsometatarsal joints. Bowing of the proximal diaphyses and metaphyses of these bones. Subluxation of 2nd metacarpophalangeal joint

SPECIES

Canine

BREED

American Bulldog

SEX

Neutered Male

Abnormal PE/Chem/CBC/UA Results: 1. Historic left tarsal swelling and potential instability. 2. Left pelvic limb lameness 3. marked osteophytes along the dorsal and lateral aspect of intertarsal and tarsometatarsal joints. Bowing of the proximal diaphyses and metaphyses of these bones. 4. Subluxation of 2nd metacarpophalangeal joint 5. Right forelimb lameness

COMPUTED TOMOGRAPHIC STUDY OF THE FRONT LIMBS AND TARSAL JOINTS

AGE

1 Year 5 Months

A plain CT study of the front limbs and tarsal joints in a bone and soft tissue reconstruction provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
DipECVDI

Very mild osteophyte formation is seen at the medial aspect of the left glenoid fossa; no abnormalities of the surrounding soft tissue structures are appreciated.

The right shoulder joint presents smooth osseous margins, unremarkable.

HOSPITAL NAME

Animal Health
Partners

The periarticular bones of both elbow joints present mild osteophyte new bone formation. The tip of the medial coronoid process presents with a thin transverse fissure line. The tip of the medial coronoid process of the right elbow joint is irregular marginated and heterogeneous decreased density.

REFERRING VET

Lea Mehrkens

The distal aspect of the left tarsal joint presents with a circumferential homogeneous soft tissue swelling. The first to third tarsal bone and the central tarsal bone are fused to one single bone, presenting moderate osteophyte new bone formation at the dorsal aspect. Ankylosis of the tarsometatarsal joint of the second and third metatarsal bone is present. The second and third metatarsal bone are fused in the proximal third and present axial bending. Axial subluxation of the metatarsophalangeal joint of the second phalanx is noted.

INVOICE

14642

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Coronoid disease elbow joints bilaterally
- Mild degenerative osteoarthritis elbow joints bilaterally, R>L

DATE

4/8/22



PATIENT

Murphy McCann

- Very mild degenerative osteoarthritis left shoulder joint
- Dysostosis left first to third & central tarsal bone
- Dysostosis second and third left metatarsal bone
- Ankylosis tarsometatarsal joint second and third phalanx left hind limb
- Periarticular swelling distal aspect left tarsal bone
- Axial subluxation metatarsophalangeal joint second phalanx

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

American Bulldog

The lameness in the right front limb can be explained by the coronoid disease of the right elbow joint with secondary mild degenerative osteoarthritis of the right elbow joint. The left elbow joint presents with evidence of fragmentation of the medial coronoid process – might be subclinical.

SEX

Neutered Male

Arthroscopy would be ideal for revision of at least the right elbow joint and remove potential non-vital tip of the medial coronoid process.

AGE

1 Year 5 Months

The findings of the left tarsal joint and metatarsal bones are highly suggestive for congenital malformation with dysostosis (syndactyly) of the first to third and central tarsal bone being fused to one single bone and fusion of the proximal segment of the second & third metatarsal bone. Preceding trauma with synostosis is a potential as well, but the odds are considered low. If there is suspicion for instability of the tarsal joint, recommend stressed radiographs under general anesthesia. Partial arthrodesis of the left tarsal joint might be an option here.

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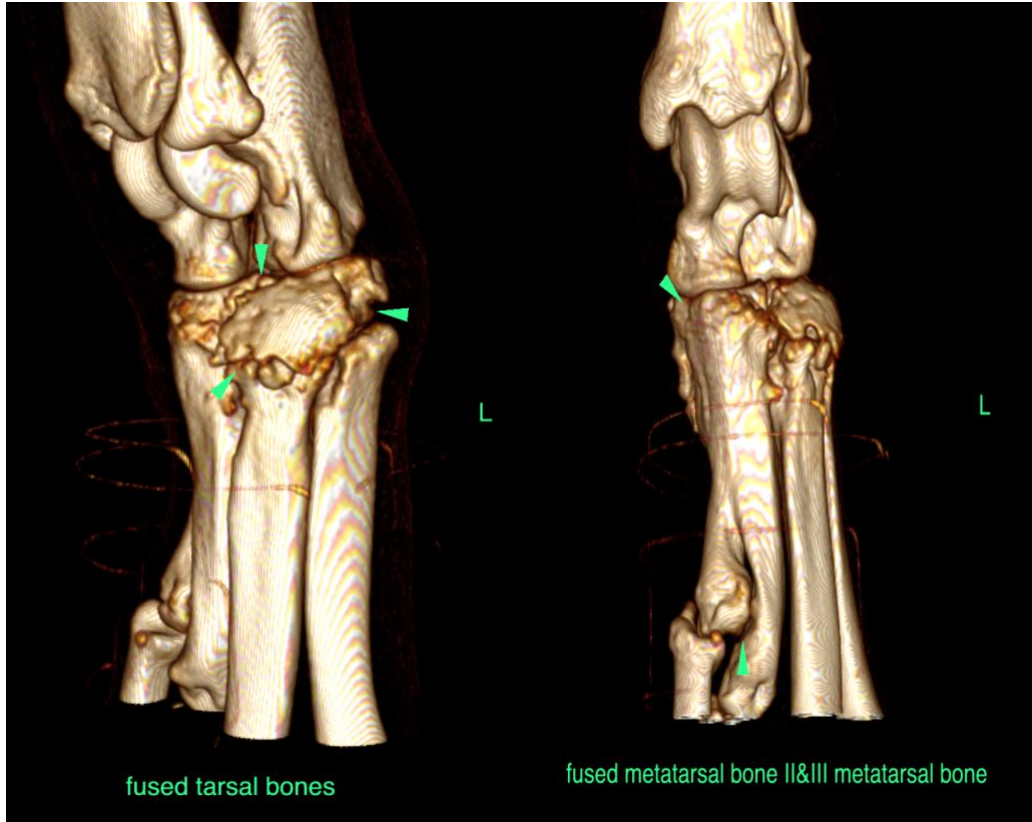
American Bulldog

SEX

Neutered Male

AGE

1 Year 5 Months



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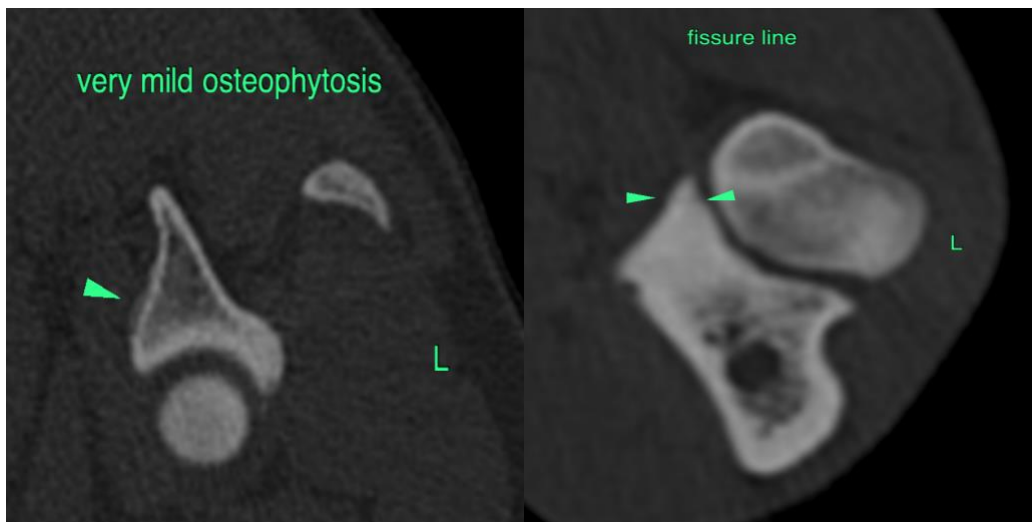
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

AGE

1 Year 5 Months

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.

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