



**PATIENT**

Bentley Gingrich

**PRESENTING CLINICAL SIGNS**

Presented to us Aug 2/23 for evaluation of: Leg shifting lameness (rule out orthopedic vs soft tissue vs neurologic vs open), Joint pain (Multiple areas)- rule out IMPA vs septic vs open. Initial impression of joint fluid not confidently convincing of IMPA Hx: First noted in January 2022. Initially orthopedic exam was normal, however, in January 2023 he was re-evaluated for possible hip pain. Sedated radiographs were obtained and showed no obvious abnormalities explaining his lameness. Bloodwork was normal and 4DX negative. Noted to be stiff with difficulty getting up where he collapses over. When using the stairs, he is slow. He will never jump up and down off onto furniture. Owners also note tail pain when put through range of motion. His tail is always down and he does not wag it.

**SPECIES**

Canine

**BREED**

Goldendoodle

**COMPUTED TOMOGRAPHIC STUDY OF THE THORACIC & REAR LIMBS**

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

**SEX**

M

**COMPUTED TOMOGRAPHIC FINDINGS**

The CT study reveals multiple periarticular new bone formation in all joints imaged including the bilateral shoulders, bilateral elbows, bilateral carpi, bilateral coxofemoral, bilateral stifle, and bilateral tarsal joints. The new bone formation in the periarticular zones presents rough and unsharp surface and is mild to moderate in amount. No evidence of primary arthropathy such as osteochondritis, medial coronoid pathology, or other is seen. The new bone formation is combined with subchondral bone erosion in the carpal joints as well as within the tarsal joints. Mild articular swelling of the affected joints appears to be present.

**AGE**

2 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

The coxofemoral joints present mild circumferential femoral head and caudolateral curvilinear femoral neck osteophytes.

Intercondylar new bone formation following the pathway of the cranial and caudal cruciate ligaments is seen in the bilateral stifle joints.

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All imaged discs in the lumbar spine present minimal attenuating foci.

Occasional peri-vertebral punctuate new bone formation is seen in the thoracolumbar spine.

**REFERRING VET**

Dr. Debbie Reynolds

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Mixed osteoproliferative and early osteolytic polyarthropathy in all joints of the front and hind limbs with mild articular swelling and no evidence of joint incongruity, osteochondritis, or dysplasia.
- Multiple chondroid disc degeneration throughout the lumbar spine.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings suggest presence of bilaterally symmetric osteoproliferative and early erosive polyarthropathy of the joints in the front and hind limbs without evidence of hip or elbow dysplasia, osteochondritis, or other primary arthropathy. Immune mediated polyarthrititis is a primary differential diagnosis. Tick-borne disease, leishmaniasis depending on travel history, and other infectious polyarthropathy such as rickettsiosis and other cannot be ruled out. It is considered unlikely that the joints are affected by primary orthopedic disease such as dysplasia,

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**PATIENT** osteochondritis, or incongruity.

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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.

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