



**PATIENT**

Leo Loomis

**SPECIES**

Canine

**BREED**

Mastiff Mix

**SEX**

Neutered Male

**AGE**

8 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Q Street Animal  
Hospital

**REFERRING VET**

Jessica Hoerauf

**INVOICE**

51822

**DATE**

4-28-22

**PRESENTING CLINICAL SIGNS**

History of right front lameness for about 10 weeks. Initially joint was swollen but improved after a week on galliprant. Swelling returned a week later and has been persistent but waxes and wanes in severity. Patient is on a joint supplement and is given carprofen as needed, plus occasional CBD. Had tick attachment on shoulder when seen initially.  
Abnormal PE/Chem/CBC/UA Results: 4DX test was negative

**RADIOGRAPHIC STUDY OF THE RIGHT CARPUS**

Mediolateral and dorsopalmar views of the right carpus of 2 different study dates, one of which 3-7-22 and the second 4-28-22 available for review.

**RADIOGRAPHIC FINDINGS**

Mildly progressive articular swelling of the right carpal joint is seen. There is a moderate amount of new bone formation at the periarticular margins of the antebrachiocondylar, intercarpal, and carpometacarpal joints. Progressive narrowing of the intercarpal and carpometacarpal joint spaces is seen. There are multifocal subchondral bone erosions of varying size which are mildly progressive between the two studies.

Reduced bone opacity and mild cortical bone thinning is seen in the right radius, ulna, and metacarpal bones.

Mild 3<sup>rd</sup> digit metacarpophalangeal joint osteoarthritis is noted.

The left carpus is included in the recent study and presents no evidence of abnormality.

**RADIOGRAPHIC DIAGNOSIS**

- Mildly progressive erosive arthropathy of the right carpus.
- Disuse osteopenia of the bones in the right front limb.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The radiographic study reveals progressive erosive arthropathy of the right carpus. Differential diagnosis includes immune mediated or tick borne arthropathy, septic arthritis after local injury or hematogenous spread, and less likely articular neoplasia such as synovial cell sarcoma. The possibility of neoplastic joint disease is thought less likely than erosive arthritis; however, it cannot be ruled out entirely without further sampling. Consider aspiration and analysis of the synovia as well as synovial biopsies for further definition.



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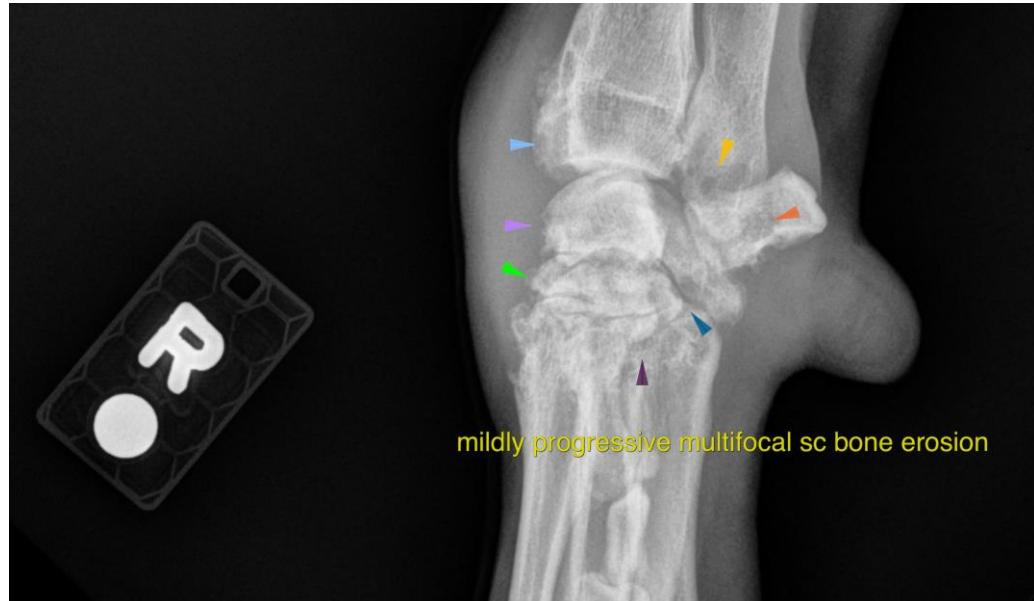
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
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