

**PATIENT PRESENTING CLINICAL SIGNS**

Leah Ortega History: Owner noticed April 2021 that pet was limping once in a while. No discharge but swelling noted. Radiographs taken with suspected mass between bone. Pet is active with no medications on board at this time.

**SPECIES**

Canine

**BREED**

Pit Bull

**SEX**

Spayed Female

**AGE**

4 Years

**COMPUTED TOMOGRAPHIC STUDY OF THE DISTAL RIGHT FORELIMB**

The distal right radius impresses with severe erosive lesions of the subchondral surface with multiple microfractures. Changes extend proximally into the metaphysis with a mixed pattern of osteolysis of the medullary bone in the central distal radius and osteo-proliferative sclerosis and new bone formation of the cortex as well as marked well-marginated periosteal reactions. The carpal joint shows a significant periarticular swelling with prominent uptake of contrast. The adjacent bony structures of the carpal joint and the ulna are inconspicuous.

The metacarpal-phalangeal joint of the 2<sup>nd</sup> digit presents focal and diffuse contrast enhancement at its palmar side.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Severe erosive lesion of the distal radius with involvement of the subchondral bone surface and secondary carpal swelling
- Focal inflammation palmar to the metacarpal-phalangeal joint of the 2<sup>nd</sup> digit

**INTERPRETED BY**

Sebastian Jawinski,  
German Board  
Certified Vet Specialist  
in Diagnostic Imaging

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

CT findings of the distal radius likely present a reactive-inflammatory lesion with significant erosions of the subchondral surface, lysis of the medullary bone, periosteal reactions and peripheral soft tissue swelling. Possible differentials include microfractures/impression fractures after contusion/trauma and/or (secondary) osteomyelitis, infection/sequester formation. I would rule out neoplasia from a CT perspective but for final assessment biopsy/swap are needed for histopathology/culture.

**HOSPITAL NAME**

Petroglyph AH

The contrast enhancing area palmar to the 2<sup>nd</sup> digit represents focal inflammation and may be due to improper load/activity. Foreign material is not recognized but cannot be fully excluded.

**REFERRING VET**

Dr. Raymond Hudgell

**INVOICE**

13892

**DATE**

10/19/21



**PATIENT**

Leah Ortega

**SPECIES**

Canine

**BREED**

Pit Bull

**SEX**

Spayed Female

**AGE**

4 Years

**INTERPRETED BY**

Sebastian Jawinski,  
German Board  
Certified Vet Specialist  
in Diagnostic Imaging

**HOSPITAL NAME**

Petroglyph AH

**REFERRING VET**

Dr. Raymond Hudgell



**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.

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

**INVOICE**

13892

**DATE**

10/19/21