



**PATIENT PRESENTING CLINICAL SIGNS**

Ryder Working Hx Tarsal fracture repair x 2 2019 Hx Tibial spiral fracture tibia 2020 Has been in rehab and is doing well but has residual stiffness in hamstrings and we would like to work on his flexibility to allow proper standing and reduce stress on hip flexors. Responded beautifully to shockwave of muscle bellies today with improved flexibility.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: RPL tarsal flexion 72 degrees compared to 64 on the right, normal ext Stiff gastroc, DDF and SDF with restricted digit movement but improved with rehab work. No pain with stretches.

**BREED**

Border Collie

**ULTRASONOGRAPHIC FINDINGS**

Patient has a history of fracture of the right calcaneus with open reduction and internal fixation in 2019.

**SEX**

MN

**Achilles Tendons**

The calcaneal surface is irregular with two pins being visible recognized by their hyperechoic interface with ring down artifacts. The pins appear to be inert. No evidence of peripheral fluid accumulation or inflammation is seen.

**AGE**

4

There is moderate generalized swelling of the common calcaneal tendon, gastrocnemius tendon, and superficial digital flexor tendon level with and proximal of the calcaneus over a length of approximately 2.5 cm. The peritendineum of the tendons is ill-defined. There is moderate generalized loss of the regular echoarchitecture of the tendon fibers which affects the entire volume of the tendons. However, the gastrocnemius tendon appears to be most severely affected. Mild distension of the calcaneal bursa is seen.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

There are foci of mineralization with distal acoustic shadowing immediately proximal of the calcaneal tubercle.

**HOSPITAL NAME**

Animal Care Center of  
Castle Pines

There appears to be mild swelling of the flexor retinaculum of the superficial digital flexor tendon as well.

The total thickness of the right achilles tendon has increased by approximately 50% compared with the left side.

**REFERRING VET**

Bartling

The left achilles tendon was scanned for comparison and presents within normal limits.

**ULTRASONOGRAPHIC DIAGNOSIS**

- Tendinitis of the superficial and deep portions of the right achilles tendon after open reduction and internal fixation of a calcaneal fracture in 2019.
- Mild concurrent calcaneal bursitis.

**INVOICE**

49321

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

12-30-21

The ultrasonographic study reveals tendinitis of the superficial digital flexor tendon, gastrocnemius tendon, and common calcaneal tendon after surgical repair of a calcaneal fracture. Mild concurrent bursitis is noted. No overt signs of inflammation or implant failure are noted other than the mild bursitis which is considered within the expected limits. The ultrasonographic



**PATIENT**

Ryder Working

presentation deviates significantly from degenerative or traumatic achilles tendon injury in the sense that a generalized loss of architecture with even distribution throughout the affected parts of the tendon is seen rather than regional loss of fiber pattern as in partial or complete ruptures so that I cannot define the quantity of fibers lost. I would rather consider this a case of generalized regional tendinitis/tendinosis affecting the entire volume of all three components of the tendon with the gastrocnemius tendon being most severely affected as per the ultrasonographic findings. The clinical impact may not necessarily be high; however, given the ultrasonographic appearance, the biomechanical function will be reduced to some extent.

**SPECIES**

Canine

**BREED**

Border Collie

**SEX**

MN

**AGE**

4

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Animal Care Center of  
Castle Pines

**REFERRING VET**

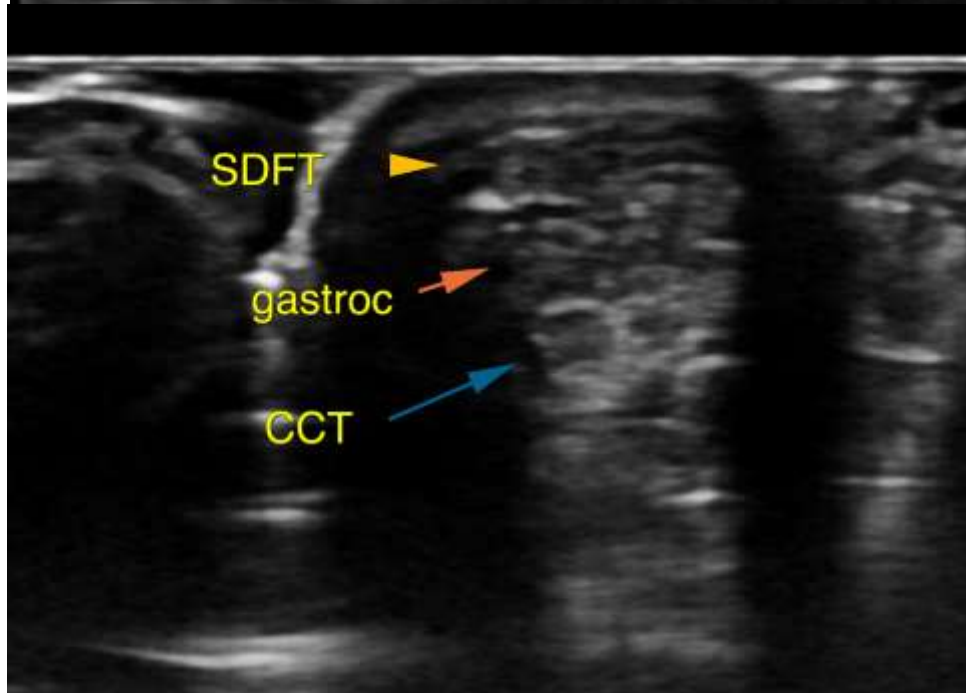
Bartling

**INVOICE**

49321

**DATE**

12-30-21





**PATIENT**

Ryder Working

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.

**SPECIES**

Canine

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.

**BREED**

Border Collie

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

**SEX**

MN

**AGE**

4

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Animal Care Center of  
Castle Pines

**REFERRING VET**

Bartling

**INVOICE**

49321

**DATE**

12-30-21