



**PATIENT PRESENTING CLINICAL SIGNS**

Shirley Orris Bilateral TPLO 11 weeks ago, post op infection cultured and treated. Pt not walking well. Delayed healing vs osteomyelitis?

**SPECIES RADIOGRAPHIC STUDY OF THE STIFLES**

Canine Mediolateral and craniocaudal views of both stifles totaling 5 images available for review in jpeg format.

**BREED RADIOGRAPHIC FINDINGS**

Newfoundlander Spatial resolution is limited so the assessment of this study is limited. However, the radiographic changes are significant so that it should suffice to be diagnostic in this case.

**SEX** The patient has a history of bilateral TPLO 11 weeks ago.

**FS** Note that both coxofemoral joints present evidence of dysplasia and osteoarthritis and both hind limbs present severe muscle atrophy which appears to be more pronounced in the left compared with the right hind limb.

**AGE** Thin radiolucent halos are seen circumferential to the 1<sup>st</sup> and 3<sup>rd</sup> distal screw in the left tibia. There is a large amount of new bone formation, which is heterogeneous in opacity and unsharp in outline, level with the osteotomy and level with the proximal fibula fracture, which however does not appear to fill the osteotomy line completely, and a radiolucent gap is sustained. Moderate to severe articular and periarticular soft tissue swelling is seen. Distal thickening of the patella tendon is noted.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

The right stifle presents mild to moderate articular swelling. Osseous remodeling of the proximal fibula is seen with no displacement. The osteotomy line is partially filled with bony callus. No patella tendon thickening is seen and there are no radiolucent halos apparent circumferential to the screws or plate.

**HOSPITAL NAME**

Windermere  
Veterinary Hospital

**RADIOGRAPHIC DIAGNOSIS**

- Suspect osteomyelitis of the osteotomy in the left proximal tibia after TPLO - consider potential for concurrent septic arthritis.
- Healing left proximal fibula tension fracture after TPLO.
- Desmitis of the left patella tendon after TPLO.
- Presumed delayed healing of the right tibial osteotomy.
- Mild degenerative joint disease of both stifles – likely as a consequence of the cranial cruciate ligament injury.
- Severe bilateral hind limb muscle atrophy secondary to disuse.
- Bilateral coxofemoral dysplasia and osteoarthritis.

**REFERRING VET**

Dr. Dani Wood

**INVOICE**

53259

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

8-4-22

The radiographic findings of the left stifle suggest potential for infection and osteomyelitis while the changes in the right stifle are more suggestive for delayed healing. Extension of the presumed infection to the left stifle joint is a potential.



**PATIENT**

Shirley Orris

**SPECIES**

Canine

**BREED**

Newfoundlander

**SEX**

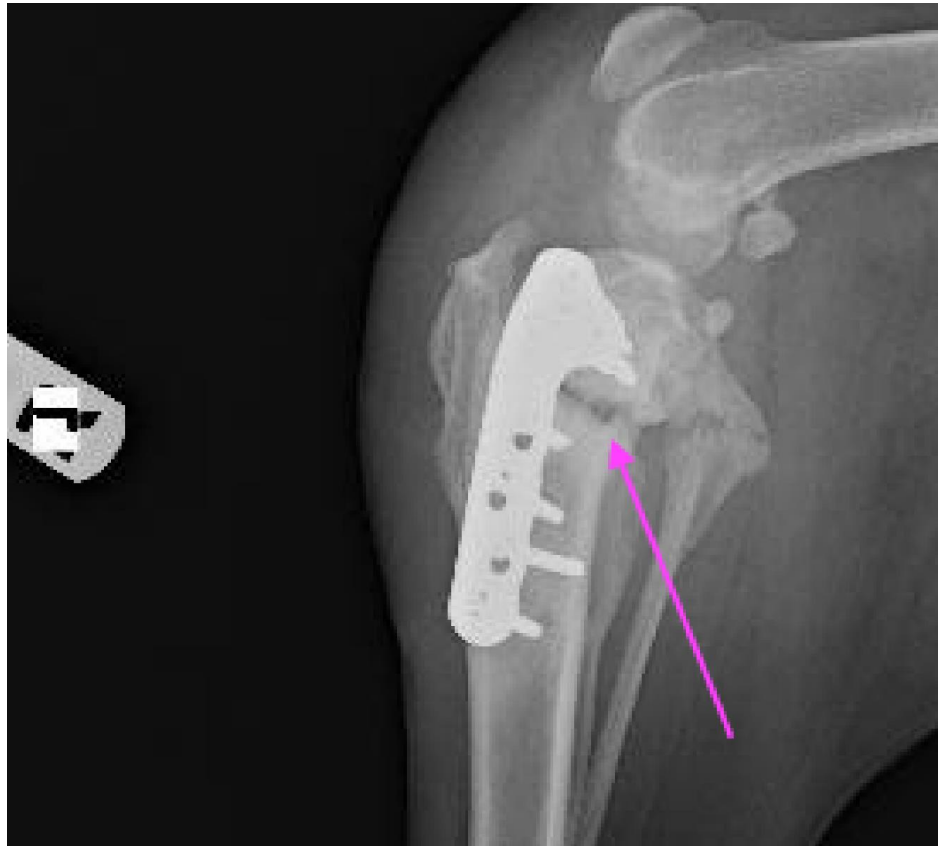
FS

**AGE**

2 Years

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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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