



**PATIENT**

Shadow Petersen-  
Craig

**PRESENTING CLINICAL SIGNS**

Chronic RH limb lameness, had CP deficits in LH limb as well.

**COMPUTED TOMOGRAPHIC FINDINGS**

**SPECIES**

Canine

**Pelvis / Lumbosacral Region**

Severe atrophy of the right hind limb musculature is seen.

**BREED**

Labrador Retriever

There is severe thickening of the peripheral sciatic nerve within the pelvic canal where it measures up to 16mm diameter. The right sciatic nerve thickening can be traced from the right lumbosacral neuroforamen up until the proximal third of the right femur.

The left sciatic nerve presents within normal limits.

**SEX**

Male Neutered

Moderate lumbosacral and moderate L6/7 intervertebral disc protrusions are seen. There is mild spondylosis deformans at the lumbosacral junction.

Minimal protrusion is present within the lumbar spine at L3/4.

**AGE**

9 Years, 4 Months

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Severe peripheral and central right sciatic nerve neuropathy with neurogenic atrophy of the right hind limb musculature.
- Moderate L6/7 and L7/S1 spondyloses.
- Spondylosis deformans.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study reveals severe right sciatic neuropathy. Differential diagnosis includes neuritis as well as neoplasia such as peripheral nerve sheath tumor or round cell neoplastic infiltrate. The changes are most pronounced within the pelvic canal before the sciatic nerve leaves the pelvic canal via the obturator foramen. However, the nerve root thickening is still significant level with the proximal femur where ultrasound guided sampling would be an option using a caudal approach between the semitendinosus and femoral biceps muscles.

**HOSPITAL NAME**

Parrish Creek  
Veterinary Clinic

**REFERRING VET**

Dr. Jennifer Shuck

**INVOICE**

50039

**DATE**

2-2-22



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**BREED**

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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.

**BREED**

Labrador Retriever

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  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

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