



**PATIENT PRESENTING CLINICAL SIGNS**

Nalani Strauss History: Several year hx of weakness in hind end. Fx growth plate in LH as a puppy. Goes for walks but seems worse after running. Still able to do steps and jump on bed.

**SPECIES RADIOGRAPHIC STUDY OF THE SPINE, HIND LEGS, PELVIS & STIFLES**

Canine **Spine**

No signs of aggressive osteolysis have been identified.

**BREED**

German Shepherd

The surrounding muscles and fat layers appear physiological.

Number and shape of the vertebrae are physiological. The skeletal structures are well mineralized and have smooth surfaces.

**SEX**

Spayed Female

The facet joints L2-L6 shows new bone around the facets.

**AGE**

6 Years

The L5/6-disc space is slightly reduced. New bone formation is present on the ventral endplates of L5/6.

**Hind Legs**

Muscle loss is present on the right side.

**INTERPRETED BY**

Heike Rudolf, DVM,  
Dr. med. Vet.,  
DipECVDI DVR

Cortical-medullary development and differentiation of the long bones are physiological.

**Pelvis**

The centre of both femoral heads is superimposed onto the dorsal acetabular edge. No new bone formation is evident.

**HOSPITAL NAME**

Healing Paws

**Stifles**

Both stifle joints show a moderate amount of new bone formation on both condyles, tibial plateau, patella, fabellae and femoral ridges. Three pins are present in the proximal left tibia and the trabecular structure in the region of the pins is reduced, bone opacity in the immediate vicinity of the pins is physiological. Cranial fat pad and fascial plains on the left are hardly visible A separate bony structure is located in the region of the tibial insertion of the cruciate ligament.

**REFERRING VET**

Dr. Jennifer Levitsky

**INVOICE RADIOGRAPHIC DIAGNOSIS**

15877

- Stifle OA, bilateral
- Left stifle

**DATE**

- Pins in left tibia

6/3/22



**PATIENT**

Nalani Strauss

- Effusion/fibrosis
- Muscle atrophy

- Facette athropathy
- Possible disc space narrowing L5/6

**SPECIES**

Canine

Incidental finding

- Spondylosis

**BREED**

German Shepherd

**SEX**

Spayed Female

**AGE**

6 Years

**INTERPRETED BY**

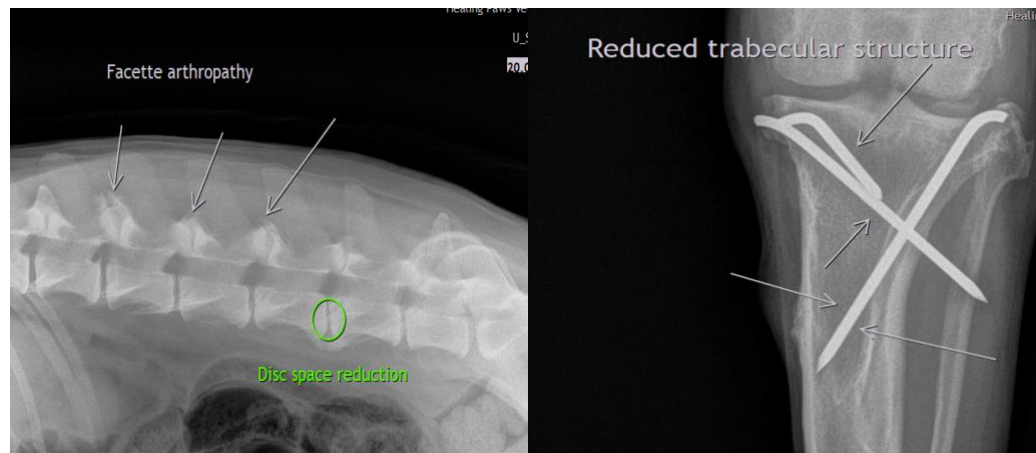
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Accurate positioning of the spine is difficult even under G.A. and cord compression can only be identified with myelography or in cross sectional imaging. CT or MRI will be necessary to assess if an extruded disc, especially at the LS junction, is the cause for the clinical signs. The nerves forming the lumbar plexus should also be assessed as neuropathy can result in muscle atrophy. Stifle arthrosis will be contributing to the lameness after exercise. The loss of trabecular structure in the left tibia is associated with the implants; I thus feel that a tumour is unlikely. NSADs can be tried but further imaging will be necessary if the dog does not respond to conservative treatment.



**REFERRING VET**

Dr. Jennifer Levitsky

**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.

**INVOICE**

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**Heike Rudorf**, DVM, Dr. med. vet., DipECVDI, DVR  
dr.h.rudorf@gmail.com

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**PATIENT**

Nalani Strauss

**SPECIES**

Canine

**BREED**

German Shepherd

**SEX**

Spayed Female

**AGE**

6 Years

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