


**PATIENT PRESENTING CLINICAL SIGNS**

**Bison Stephens** Limping on left rear leg intermittently x 6 weeks. If he's too active he won't want to use it the next morning but seems to warm up and then will use it later in the day. Intermittent limping with and without exercise.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Left stifle thickened/medial buttress and joint effusion palpable, but no appreciable tibial thrust or drawer (flexed or extended). No pain response on exam, but the other joints of this leg palpate normally.

**BREED**

Bernese Mtn Dog

**RADIOGRAPHIC STUDY OF THE STIFLES**
Left stifle

The mass of the gastrocnemius muscle is reduced.

**SEX**

Neutered Male

The stifle joint has smooth subchondral bone surfaces, and the center of the femoral condyles appears to be in line with the intercondylar eminence. The cranial fat pad is markedly reduced, and the caudal fascial planes are displaced as well as partially obscured by a soft tissue opacity within the joint. Soft tissue swelling is also present on the medial aspect of the joint. New bone formation is present on the femoral ridges, both poles of the patella and tibial insertion of the cranial cruciate ligament. Slightly irregular but laminar new bone extends proximal for approx. 3.5cm along the cranial femoral cortex. A seemingly separate bone fragment is located between distal pole of the patella and condyles as well as superimposed onto the proximal end of the more cranially located femoral ridge.

**AGE**

9 Years

**INTERPRETED BY**

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

Right stifle

The subchondral bone surfaces are smooth, and the center of the femoral condyles is in line with the intercondylar eminence. The cranial fat pad shows a triangular, centrally located increase in opacity; the caudal fascial plains are in a physiological position and the meniscus is visible. New bone formation is not evident, and the patellae are located in their respective groove.

**HOSPITAL NAME**

Northshore VH

**RADIOGRAPHIC DIAGNOSIS**

Left stifle

**REFERRING VET**

Dr. Kristin Williams

- Muscle atrophy
- Joint effusion, moderate
- Arthrosis,

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**
**INVOICE**

44394

**DATE**

7/26/23

The changes in the left stifle joint are compatible with cruciate ligament disease, most likely partial rupture with continuing fiber disruption. The amount of new bone formation in association with the decrease muscle mass indicates a moderately severe instability. Surgery is recommended. The increase in opacity in the right cranial fat pad is likely exposure related as other islands of increased opacity appear elsewhere on the lateral image.



**PATIENT**

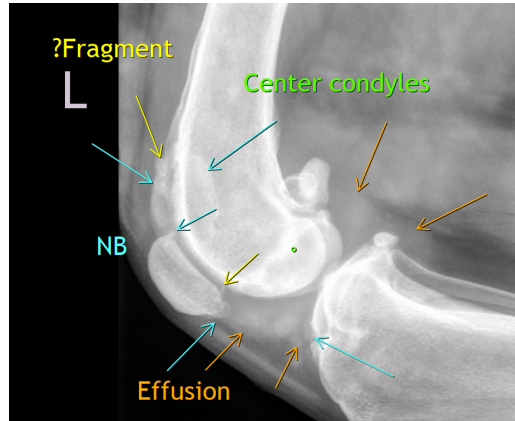
Bison Stephens

**SPECIES**

Canine

**BREED**

Bernese Mtn Dog



**SEX**

Neutered Male

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.

**AGE**

9 Years

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.

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

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