



**PATIENT**

Louie Moul

**PRESENTING CLINICAL SIGNS**

Louie is a six year old, MN, German Shepherd mix who was presented as a new patient on 3/1/21. He has a history of Lyme disease and allergies. On exams, Louie has thickening of both stifles, slightly decreased muscle mass left thigh. His owners report that Louie limps on hind legs, especially right hind, after daycare play. Dasuquin Advanced was prescribed. Separate stifle US and rads are being sent to Nele at SonoPath for evaluation of hind end lameness. Louie has also had several episodes of kennel cough. Most recently, Louie was presented on 8/9/21 for PU/PD and weight loss. USG-1.020. No proteinuria is present. Bloodwork showed increased SDMA (16), increased creatinine (2.1), BUN normal (24), phos normal. CBC, T4, 4DX were all normal. Abdominal ultrasound today to screen for kidney disease and PU/PD.

**SPECIES**

Canine

**BREED**

German Shepherd  
Mix

**RADIOGRAPHIC FINDINGS**

**Stifles**

Moderate articular swelling of both stifle joints is seen.

**SEX**

MN

There is minimal cranial subluxation of the tibia in both hind limbs as well as a moderate amount of periarticular osteophytes which accentuate the femoral trochlear, distal pole of the patellar, and tibial plateau.

**AGE**

6 Years

No evidence of aggressive bone lesions is seen.

**Pelvis**

The coxofemoral joints present within age related normal limits. There is no evidence of dysplasia, and no significant osteoarthritic changes are seen.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**ULTRASONOGRAPHIC FINDINGS**

**Left Stifle**

Part of the left cranial cruciate ligament fibers are discontinuous and hyperechoic. A hypoechoic halo is seen circumferential to the left cranial cruciate ligament.

Marked heterogeneity of the infrapatellar fat pad is present.

**HOSPITAL NAME**

Lambs Gap Animal  
Hospital

**REFERRING VET**

Dr. Cynthia Kinney

The visible periarticular margins present a moderate amount of osteophytes.

Moderate swelling of the synovium with luminal synovial proliferation is noted as well as moderate anechoic effusion within the supra- and infra- patellar recesses of the left stifle joint.

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The medial meniscus is in situ with the expected smooth surface and internal echoarchitecture.

**Right Stifle**

The cranial cruciate ligament presents continuous yet thin with heterogeneous increase in echogenicity in the right stifle joint.

**DATE**

8-19-21

There is moderate heterogeneity of the infrapatellar fat pad.



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The visible periarticular margins present a moderate amount of osteophytes.

There is a moderate amount of anechoic effusion within the supra- and infra- patellar recesses which also present moderate synovial swelling.

**SPECIES**

Canine

The medial meniscus is in situ and smoothly delineated. No internal echoarchitectural changes are seen.

**IMAGING DIAGNOSIS**

**BREED**

German Shepherd  
Mix

- Bilateral moderate stifle osteoarthritis with cranial cruciate ligament pathology compatible with partial ruptures in both stifles.
- No evidence of meniscopathy in either of the stifle joints.
- Radiographically normal coxofemoral joints.

**SEX**

MN

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The imaging findings support partial cranial cruciate ligament rupture in both stifle joints. No concurrent meniscopathy is seen. Moderate synovialitis, osteophytosis, and effusion are present in terms of moderate degenerative joint disease. Consider surgical intervention to address the biomechanical instability and function loss of the cruciate ligaments, starting with the limb that is more severely affected based on clinical presentation, in order to prevent further damage to the articular structures. It is considered likely that both stifles will require surgery at some point based on the radiographic and ultrasonographic findings.

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6 Years

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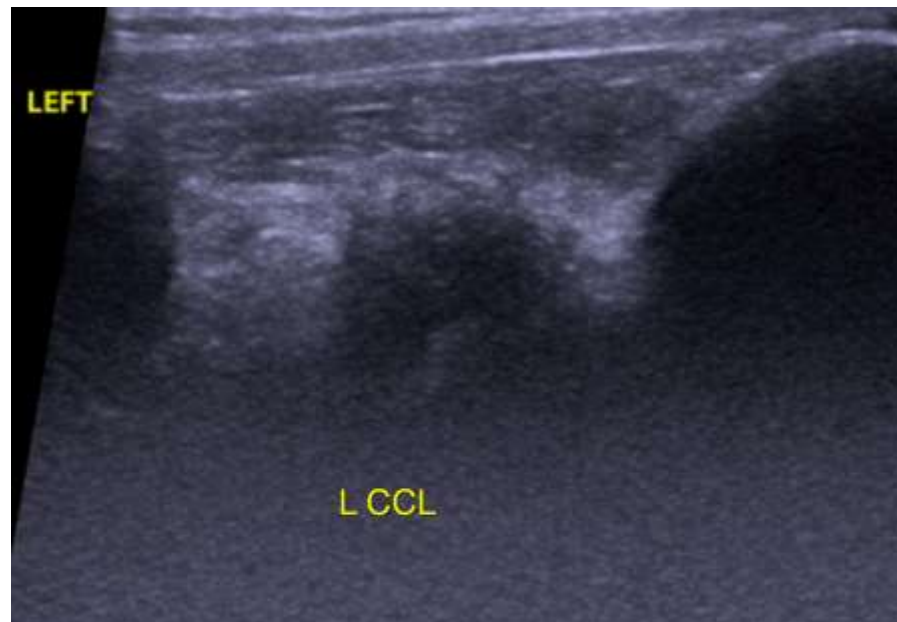
Dr. Cynthia Kinney

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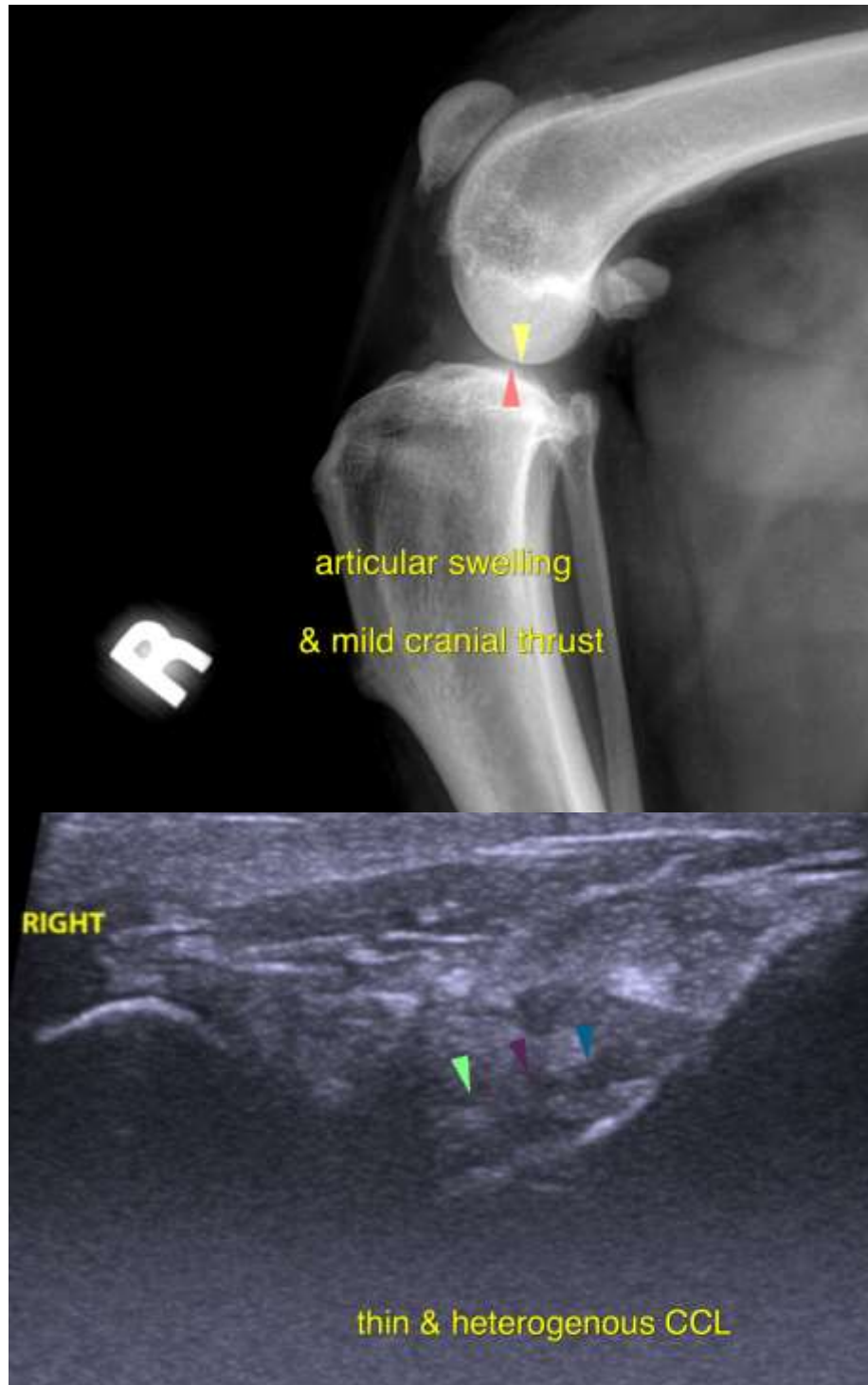
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**SPECIES**

Canine

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Mix

**SEX**

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