



**PATIENT PRESENTING CLINICAL SIGNS**

Ellie Earhart Stifle US Very painful in bilateral PL x 4 weeks - hard to get up Has lived in Colorado since she was 8 weeks old  
 Abnormal PE/Chem/CBC/UA Results: Normal CBC, chem UA Normal Pennhip rads Normal appearance to tarsus Lucency in dorsal distal femur from growth plate extending proximal to patella bilaterally - rad report pending but rads attached for reference

**SPECIES**

Canine

**ULTRASONOGRAPHIC FINDINGS**

**BREED**

**Left & Right Stifle**

Saint Bernard

Mildly irregular outline of the osseous surface is seen in the cranial aspect of the distal femoral growth plate in both hind limbs with multiple small concavities and small mineralizing foci. The synovium of the suprapatellar recesses presents mild regional swelling with a regular layered pattern. No significant effusion is seen.

**SEX**

FS

No abnormal effusion is seen within the infrapatellar area. There is no evidence of synovial or capsular thickening or proliferation. The cranial cruciate ligament appears to be continuous and well-delineated, no deviation from normal echoarchitecture is noted. Lateral and medial menisci are within their anticipated positions and align well below the bone surfaces, meniscal surfaces are even and smooth. The echotexture is hypo echoic and uniform. The joint margins are smooth, no osteophytes are seen. The infra patellar fat pad present, the expected echo architecture.

**AGE**

1

**ULTRASONOGRAPHIC DIAGNOSIS**

- Irregular osseous outline in the craniodistal metaphysis and region of the growth plate in both femurs with mild regional synovial swelling.

**INTERPRETED BY**

Nele Eley, DVM  
 Dr. med. Vet. DipECVDI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The ultrasonographic study reveals no evidence of stifle arthropathy. The cranial cruciate ligaments and menisci present within normal limits.

**HOSPITAL NAME**

Animal Care Center of  
 Castle Pines

Regional synovial swelling of the suprapatellar recess level with the distal metaphysis and growth plate is seen in both hind limbs as well as mildly irregular outline of the bone surface. Metaphyseal cut back zones in a growing dog are the most likely explanation of the findings however growth disturbance and physisitis cannot be ruled out entirely as potential differential diagnoses even though they are considered by far less likely and overall unlikely in this case.

**REFERRING VET**

Bartling

**INVOICE**

54976

**DATE**

11-3-22



**PATIENT**

Ellie Earhart

**SPECIES**

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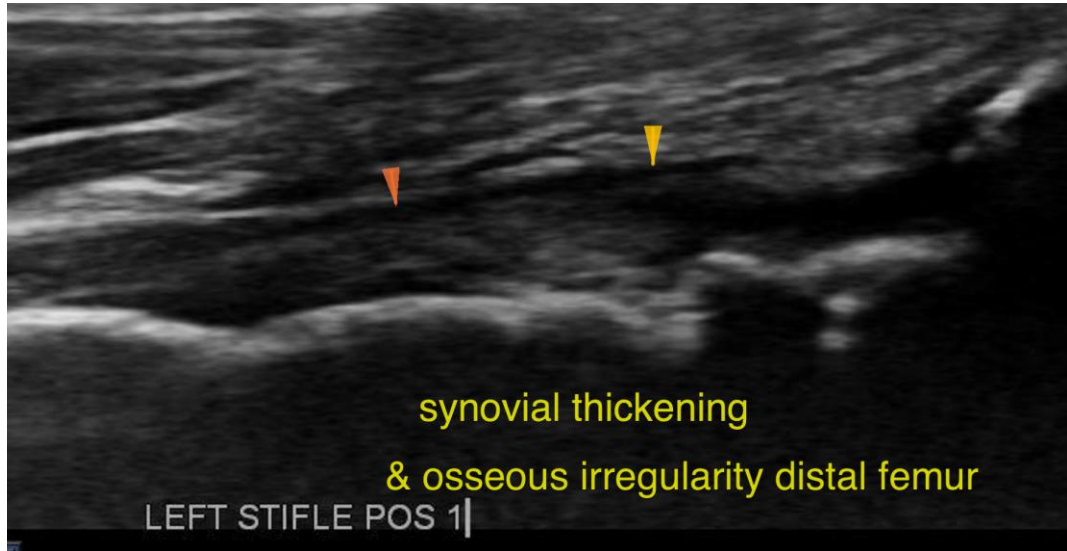
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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