



VETCT
CONSULTANTS IN TELEMEDICINE

IT'S YOUR CASE

Species: Canine

Breed: German Shepherd Dog

Sex: Female Entire

Age: 11 months

Clinical History:

Right pelvic limb lameness starting about 10 days ago. There is no history of trauma

Details of study and technical comments: A VD (hip extended) radiograph of the pelvis and a lateral radiograph of the right femur are presented for evaluation.

Diagnostic interpretation:

Throughout the medullary cavity of the right femoral diaphysis, there is increased opacity and reduced corticomedullary distinction (lime ellipse). The changes are observed throughout the diaphysis but are most severe in the proximal half. The cortex is smooth without evidence of periosteal reaction. In the mid-length of the left femoral diaphysis, there is a 1.1 cm focus of increased opacity that is smoothly margined (aqua circle). There is mild obliquity of the pelvis, but overall the conformation of the hip joints are within normal limits for this breed. There is mild increased opacity of the right stifle joint on the lateral view without increase in synovial volume which is likely artifactual.



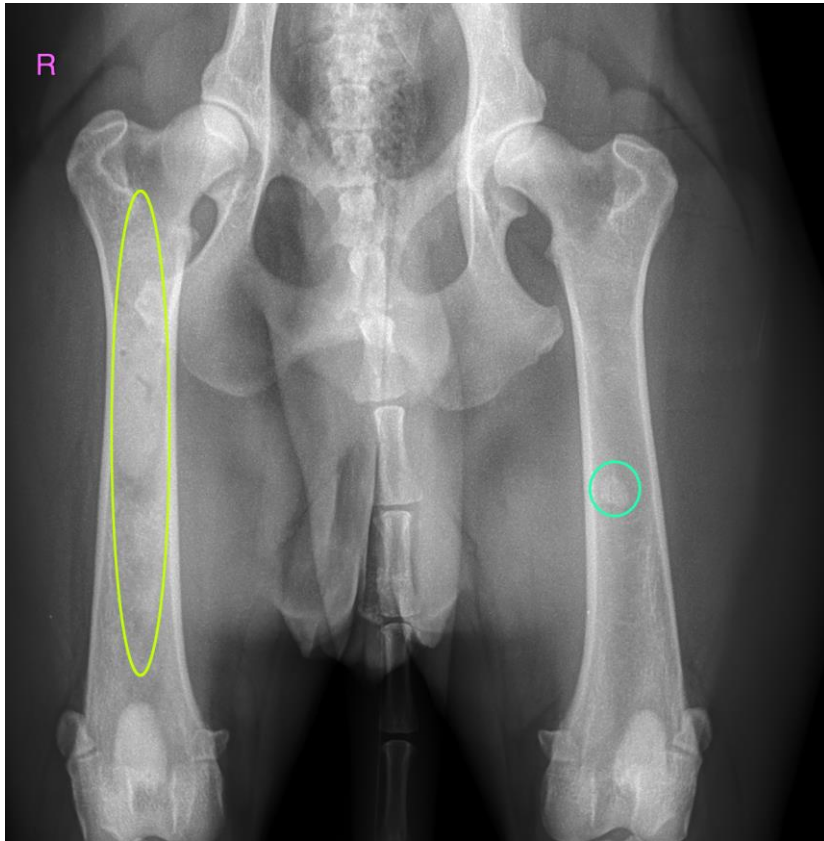
Reported by VetCT

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This report is based on the available history and radiographic interpretation only and not on a physical examination of the patient. It has been prepared specifically for interpretation by the currently licensed and registered veterinary surgeon responsible for the care of this patient.



Conclusions:

These findings are highly consistent with panosteitis. Alternative consideration may be given to juvenile polyostotic lymphoma, but this is rare and considered much less likely.

Additional comments:

The changes in the diaphysis of the long bones are most consistent with panosteitis. The pathophysiology of this disease is poorly understood, however it is commonly responsive to conservative management. The process frequently affects multiple bones and limbs. Hence, revisiting physical exam to assess for long bone pain with radiographic exam of the other long bones could be considered. This is a commonly developmental bone disease of young large breed dogs and can occur in patients as late as 2 years of age.

LITERATURE:

Arthurs, G., & Langley-Hobbs, S. (2018). Diseases and disorders of bone. In *BSAVA Manual of Canine and Feline Musculoskeletal Disorders* (pp. 87-105). BSAVA Library.

Hall, D. A., Beck, C., Robertson, S. M., Nimmo, J. S., & Snelling, S. R. (2014). Polyostotic lymphoma presenting like panosteitis in a Belgian shepherd dog. *Australian Veterinary Practitioner*, 44(3), 668-672.



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