



PATIENT

Heddy Duff

PRESENTING CLINICAL SIGNS

Patient rescued from south Carolina 2 months ago, was recently spayed, estimated to be 1 year old. Owner noticed knob on her left hind leg and does not use her L hind leg as well. Last week mobility has decreased at home. Is grade 3/4 lame left hind. Bony protuberance appreciated on exam, non-painful.

SPECIES

K9

RADIOGRAPHIC STUDY OF THE LEFT STIFLE

Mediolateral and craniocaudal views of the left stifle including hip extended ventrodorsal view of the pelvis totaling 2 images available for review.

BREED

Mix

RADIOGRAPHIC FINDINGS

The left hind limb presents reduced muscle volume as well as shortening of the femur with mild compensatory elongation of the tibia and fibula. There is angular limb deformity of the left femur with an approximate 90 degree flexion angle of the distal femur with caudal angulation of the femoral condyles. Flaring of the distal diaphyseal third and distal metaphysis is seen. An area of geographic osteolysis surrounded by peripheral sclerosis is seen in the cranial contour of the distal femur level with the proximal aspect of the femoral trochlea.

SEX

FS

AGE

1 Year, 1 Month

Moderate concurrent regional soft tissue swelling is seen with mild cranial deviation of the patella. No osseous abnormality of the patella is seen.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Rhino horn, smoothly delineated, periosteal new bone is seen in the mid diaphyseal third of the caudal contour of the left femur which typically is the result of traumatic periosteal stripping or stretch of the adductor muscle insertion. No evidence of femoral tibial joint involvement is seen.

There is a cartilage remnant in the position of the apophyseal physis of the tibial tuberosity which is an incidental finding.

HOSPITAL NAME

Blairstown Animal Hospital

RADIOGRAPHIC DIAGNOSIS

- Chronic malunion fracture of the left distal femur with angular limb deformity and chronic osteitis.
- Reduced longitudinal growth of the left distal femur with compensatory elongation of the tibia and fibula.
- Disuse atrophy of the left hind limb musculature.

REFERRING VET

Dr. Zeliff

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The radiographic findings are highly suspicious for prior trauma with traumatic osseous injury and malunion fracture with reduced longitudinal growth as well as angular limb deformity of the left distal femur. Moreover, there are radiographic signs of chronic osteitis / osteomyelitis with potential residual infection and sequestrum and involucrum formation. Sampling of this area under ultrasonographic guidance could be considered in order to rule out presence of residual infection. The use of antimicrobial medication could be considered along with clinical and radiographic monitoring. Surgical revision of the area may be required in case of residual infection. The femoral tibial joint does not appear to be involved which renders femoral patellar joint involvement an unlikely potential as well. However, the soft tissue swelling is in the area of femoral patellar joint.

INVOICE

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12-20-21



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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.

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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.

BREED

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