



PATIENT

Zeus McElwaine

PRESENTING CLINICAL SIGNS

Has had trouble with leg for ~1 month, noticed swelling on left hind leg a few days ago. We suspect osteosarcoma, looking for metastasis in lungs.

SPECIES

Canine

RADIOGRAPHIC STUDY OF THE LEFT STIFLE & THORAX

2 mediolateral views of the left stifle region and right and left lateral views of the thorax totaling 4 images available for review in jpeg format.

BREED

Rottweiler

RADIOGRAPHIC FINDINGS

Left Stifle

An aggressive osteoproliferative lesion of the distal left femur is seen with a large amount of round and spiculated periosteal new bone formation circumferential to the distal right femoral metaphysis. There appears to be expansion of the periosteum as well as severe circumferential soft tissue swelling with mass effect. Part of the osteoproliferative changes extend far caudally and distally to superimpose with the soft tissues caudal to the proximal tibia as well as with the proximal tibia itself. There appears to be articular swelling of the left stifle joint and cortical bone thinning of the distal femur and proximal tibia.

SEX

Netuered Male

AGE

8 Years

Thorax

An isolated ossicle of the infraglenoid tubercle and elbow osteoarthritis are noted.

The degree of pulmonary inflation is fair. Multiple pulmonary osteomas are seen. There is no evidence of interstitial pulmonary nodules or masses.

The bronchial tree presents within age related normal limits.

Course and width of the trachea are considered within normal limits.

No evidence of mediastinal widening is seen.

RADIOGRAPHIC DIAGNOSIS

- Periosteal osteoproliferative mass of the distal left femur and proximal left tibia with significant soft tissue involvement and mass effect.
- No evidence of pulmonary metastatic disease.
- Separate ossification center of the infraglenoid tubercle and elbow osteoarthritis – unrelated to the reason of clinical presentation.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a periosteal osteoproliferative mass of the left hind limb circumferential to the distal left femur and proximal left tibia with presumed aggressive biological behavior.

No evidence of pulmonary metastatic disease is found.

Differential diagnosis includes periosteal osteosarcoma, secondary neoplasia of bone including

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Wilson Road
Veterinary Clinic

REFERRING VET

Dr. Ehab Yessa

INVOICE

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various types of sarcoma, and metastatic disease, as well as myositis ossificans. Periosteal osteosarcoma is a primary differential diagnosis in this case with the remainder of the differential diagnoses being considered by far less likely. Final diagnosis however requires tissue sampling for histology.

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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.

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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.

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com

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