



DATE PRESENTING CLINICAL SIGNS

8/16/22

10 day onset of weakness/lameness right rear limb with pain in the proximomedial thigh/inguinal area associated with a mild inguinal lymphadenopathy. There is an axtramural mass palpable on rectal examination in the right dorsal quadrant consistent with radiographic findings.

INTERPRETED BY

L.D. McGill, DVM,
Ph.D, DACVP

Labwork was performed 10 days ago, just prior to the onset of these signs, due to an episode of vomiting and diarrhea. CBC, chems, and spec cpl were within normal limits except a slight increase in monocytes and globulins.

PATIENT

Bella Kortcs-Kiss

Radiology - The right wing of the sacrum presents with an ill-defined zone of osteolysis. Moderate palisading periosteal new bone formation is seen along the ventral aspect of the sacrum. Dorsally in the pelvic canal, an ill-defined soft tissue attenuating mass is seen, compressing and deviating the descending colon/rectum ventrally. Monostotic aggressive mixed osteolytic and osteoproliferative lesion right wing of sacrum & sacrum. Suspect soft tissue mass dorsal aspect of pelvic canal/ventral to sacrum. The changes of the sacrum in combination with the soft tissue mass are highly suggestive for primary osseous neoplasia, originating from the sacrum (e.g. osteosarcoma, chondrosarcoma, hemangiosarcoma), or primary soft tissue neoplasm (e.g. fibrosarcoma, hemangiosarcoma).

SPECIES

Canine

CYTOLOGY SUBMISSION

FNA of Right wing of the sacrum

BREED

German shepherd dog

OBSERVATIONS

Bone lesion aspirate: Submitted are 3 excellent videos of excellent collections of cells from the bone lesion on the right wing of the sacrum on Bella. The cellularity consists of large numbers of small lymphocytes with erythrocytes and packets of cells that demonstrate prominent anisocytosis and anisokaryosis. The cytoplasm on these cells is dark and granulated. Some of the nuclei are quite large. There are scattered packets of eosinophilic material associated with these irregular cells. Nucleoli are prominent in the cells.

SEX

Female spayed

AGE

8 yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Right wing of the sacrum aspirate - Packeted irregular cells consistent with neoplasia and probable osteoid.

WEIGHT

88 lbs

COMMENTS

The cellularity in this collection supports a neoplastic process with marked inflammation which appears to be associated with small mature lymphocytes. There is no suggestion of a round cell neoplasia but there is evidence of round cell inflammation. The atypical cells collected from the bone demonstrate the probability of a sarcoma. The eosinophilic material is consistent with an osteosarcoma. Degeneration and inflammation are occurring, but they appear to be secondary. In my experience, aspiration of bone lesions similar to this can be diagnostic for osteosarcoma in the dog and I am strongly supportive of that diagnosis with this collection. Further evaluation of the area and excision or biopsy may confirm the diagnosis. At this time with the cellularity, a guarded to unfavorable prognosis is warranted due to the irregular cellularity in this collection.

HOSPITAL NAME

Friendship Springs
Veterinary Care

REFERRING VET

Dr. Trae Cutchin

INVOICE NUMBER

40581



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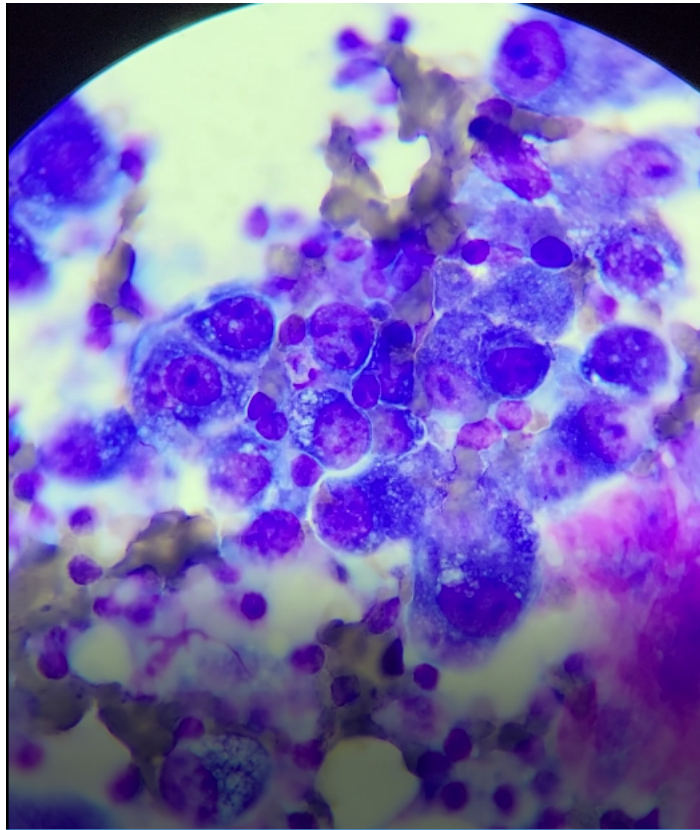


Image shows a group of cells collected from the wing of the sacrum on Bella. Note the anisokaryosis and anisocytosis with eosinophilic material in the lower right part of the image. That material is likely osteoid.

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.

HOSPITAL NAME

Friendship Springs
Veterinary Care

L.D. McGill, DVM, Ph.D., DACVP
8288 Top of the World Drive
Cottonwood Heights, UT 84121
ldmcgill.vetpath@gmail.com
cell: 801-865-1220

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