



DATE PRESENTING CLINICAL SIGNS

9/2/22

History: Parathyroid independent hypercalcemia, searching for cause. Basal cortisol pending. Current med: Trazadone 100mgs (1-1.5 tabs PO) 2 hrs prior to car ride. CBC: HGB 21.5. Chem: calcium 12.7, PTH (1.00), iCa (1.76), Calcium 14.7. USG: 1.003, blood trace. Looking for source of hypercalcemia.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

FNAs of BOTH enlarged iliac lymph node and LEFT anal gland.

OBSERVATIONS

PATIENT

Gracie Ellenbogen

Anal sac region: Submitted are several excellent images and videos of cells collected from the anal sac region on Gracie. There are large numbers of cells that demonstrate rounded to slightly elongated nuclei with prominent euchromatic nuclei. In many of the cells the cytoplasm is unidentifiable and in others the cytoplasmic borders are difficult to identify. Where it can be visualized, the cytoplasm is bluish gray. These are characteristic cells from the anal sac region in the dog.

SPECIES

Canine

Internal iliac lymph node: Submitted are several excellent images and videos of cells collected from the internal iliac lymph node in Gracie. The cellularity consists of aggregates of cells that are very similar to those observed in the anal sac region. In fact they appear to be the same type of cells. Lymphoid cells were few in numbers. The epithelial cell collection is characteristic of the anal sac cells.

BREED

Basset Hound mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Anal sac region - Anal sac apocrine gland carcinoma
Internal iliac lymph node - Metastatic anal sac apocrine gland carcinoma.

SEX

Female spayed

COMMENTS

The cellularity in both collections is characteristic of anal sac gland adenocarcinoma cells. These tumors commonly cause hypercalcemia in affected dogs. With the internal ileac lymph node being completely effaced with tumor cells, very likely this mass has metastasized to other locations such as the liver or spleen. These growths metastasize early. With that observation, an unfavorable prognosis is warranted in my opinion.

AGE

6-year-old

WEIGHT

55 lbs

HOSPITAL NAME

Brenda King Veterinary
Services

REFERRING VET

Dr. Brenda King

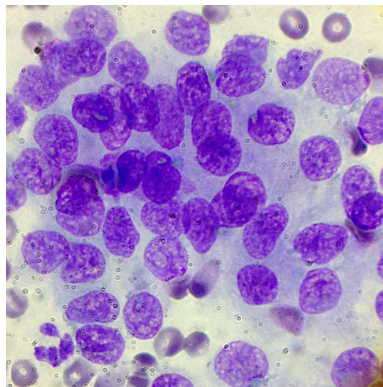


Image above shows a representative group of anal sac apocrine gland carcinoma cells collected from the anal sac region on Gracie. Note the indistinct cytoplasm.



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Gracie Ellenbogen

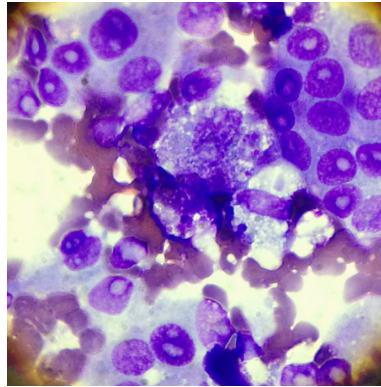


Image shows a representative collection of cells from the internal iliac lymph node in Gracie. Most of the cells are similar to those in the anal sac region with a couple of macrophages.

SPECIES

Canine

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.

BREED

Basset Hound mix

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.

SEX

Female spayed

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

AGE

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WEIGHT

55 lbs

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