



**DATE PRESENTING CLINICAL SIGNS**

11/10/22 Open wound on medial left hock. Owner noticed a "pea" sized lump about 2 months ago. 3" x 3" necrotic wound with cellulitis at exam today.

**INTERPRETED BY CYTOLOGY SUBMISSION**

Skin mass

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

**OBSERVATIONS**

Skin mass on left hock: Submitted are 8 excellent videos of high-power images of cells collected from this skin mass on Apollo. The cellularity is irregular. Many of the cells have purple to metachromatic granules in their cytoplasm. Other cells are minimally granulated and there are even cells that have no granules. Eosinophils and neutrophils are readily identified. There are very few lymphocytes identified. The granulated cells have metachromatic to purple granules in their cytoplasm and have the appearance of poorly granulated mast cells.

**PATIENT**

Apollo Dollard

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SPECIES** Skin mass on left hock - Mast cell tumor with inflammation. (See comments)

Canine

**COMMENTS**

The cellularity in this collection is characteristic of a poorly differentiated mast cell tumor. Cytologically it is difficult to grade mast cell tumors but this particular collection suggests the likelihood of a high-grade mast cell tumor. There is extensive inflammation which could be the result of the ulceration and inflammation from self trauma. Wide excision of the mass is encouraged but this will be a difficult location for wide excision to occur. A guarded prognosis is warranted with this type of cellular collection. The regional lymph nodes including the popliteal lymph node should be monitored for the potential of metastasis. Aspiration of region lymph nodes is always encouraged to assist in staging the disease process. If mast cells are identified in the lymph node then further evaluation of the liver and spleen is also encouraged.

**BREED**

Doberman Pinscher

**SEX**

Male Neutered

**AGE**

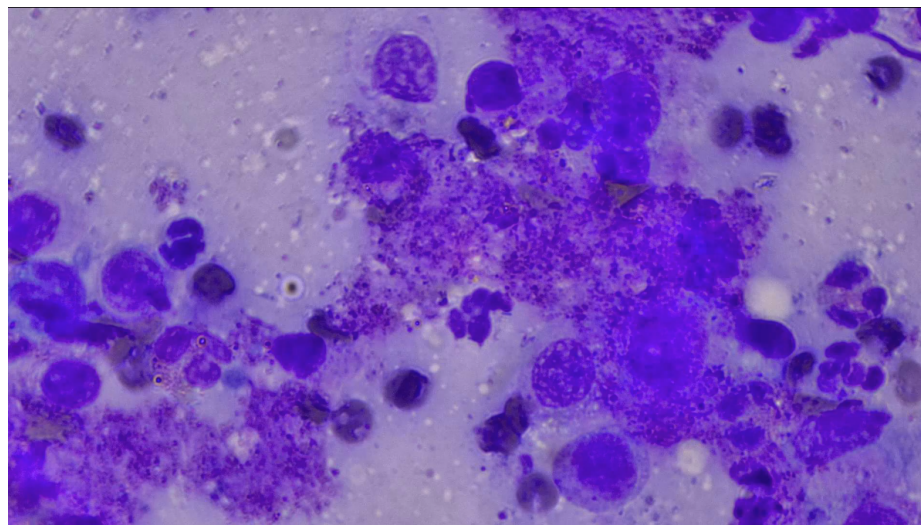
8y

**WEIGHT**

93 lbs

**HOSPITAL NAME**

Central Veterinary  
Hospital



**REFERRING VET**

Dr. Hardaker

Image shows cells that have the appearance of granulated and non granulated mast cells. Eosinophils are also prominent. Some mast cell granules are floating free.

**INVOICE NUMBER**

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**DATE** 11/10/22 **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.**

**INTERPRETED BY** L.D. McGill, DVM, Ph.D, DACVP **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.**

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

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