



DATE PRESENTING CLINICAL SIGNS

12/6/21

Presented this weekend on ER for lethargy, dyspnea; has recently had an enlarged submandibular lymph node aspirated and reported reactive;

INTERPRETED BY

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

BCS 7/9, slowly ambulatory; enlarged left submandibular and right prescap lymph nodes (prescap is ~ 5 cm), other peripheral normal; bloodwork is pending through primary care; radiographs show mild pleural effusion, concern for mediastinal mass and/or adenopathy; abdominal ultrasound was performed and showed generalized enlargement of intraabdominal lymph nodes; (Sonopath report pending); limited thoracic showed mediastinal mass effect ~7cm diameter w enlarged associated nodes

PATIENT CYTOLOGY SUBMISSION

Tango Maden

FNA of Liver, Lymph Node, Spleen, Other

SPECIES

Canine

OBSERVATIONS

Abdominal mass: Submitted are 5 excellent videos of minimal to moderate collections of cells from the abdominal mass in Tango. There are large numbers of red blood cells but only a scattering of nucleated cells. The majority of these cells are round cells with large nuclei that are 2 to 4 times the size of red blood cells. Many of these nuclei have prominent nucleoli. Scattered neutrophils are identified. Occasionally the round cells have pleomorphic nuclei.

BREED

Golden Retriever

Liver: Submitted are 3 excellent videos of moderate collections of cells from the liver in Tango. There are aggregates of hepatocytes that demonstrate vacuolization and granularity to a mild degree. Scattered inflammatory cells include neutrophils and lymphocytes. Atypical lymphocytes may be present but they are few in numbers.

SEX

Male Neutered

Mediastinal mass: Submitted are 2 excellent videos of minimal numbers of cells collected from the mediastinal mass. Red blood cells are prominent. There are scattered round cells similar to those in the abdominal mass. Scattered neutrophils are present. The lymphoid cells are somewhat irregular with scattered atypia.

AGE

4yr

Prescapular lymph node: Submitted are 3 excellent videos of cells collected from the prescapular lymph node. Many of the lymphoid cells are small. There are scattered macrophages. The small lymphocytes are mature lymphocytes. They are not similar to those aspirated from the abdominal mass or mediastinal mass.

Spleen: Submitted are 2 excellent videos of cells collected from the spleen in Tango. There is a mixture of cells but many larger lymphoid cells are observed. The lymphoid cells have prominent nucleoli. These lymphoid cells have nuclei that are 2 to 4 times the size of red blood cells. There are scattered neutrophils and nucleated red blood cells in the collection.

WEIGHT INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

48kg

Abdominal mass - Consistent with high-grade lymphoma with mild inflammation.
Liver - Slightly vacuolated and granulated hepatocytes with minimal suggestion of infiltrating lymphoid cells.

HOSPITAL NAME

Animal Emergency Care

Media mass - Suggestive of high-grade lymphoma with mild inflammation
Prescapular lymph node - Reactive lymphoid tissue with no suggestion of neoplasia
Spleen - Suggestive of high-grade lymphoma with secondary inflammation

COMMENTS

REFERRING VET

Dr. Ryan

There are changes strongly suggestive of a high-grade lymphoma in the abdominal mass, mediastinal mass and in the spleen. The liver does not suggest lymphoma but it could be present in other locations or the liver may not be involved. The prescapular lymph node is reactive but not neoplastic. The cellularity in this collection is not really high and thus I would not suggest sending these slides off for immunophenotyping as I often do. Recollection and submitting cells for immunophenotyping to identify the lymphoid cell type may be beneficial for prognosis. Flow cytometry could even be utilized if you can get adequate numbers of cells. In this case I expect an unfavorable prognosis due to these irregular aggressive appearing lymphoid cells in several locations.

INVOICE NUMBER

70430



DATE

12/6/21

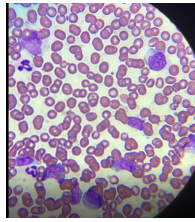


Image shows cells from abdominal mass from Tango. Note the large nuclei and prominent nucleoli.

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PATIENT

Tango Maden

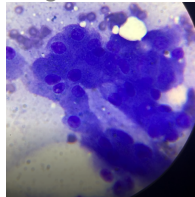


Image shows representative hepatocytes from Tango. There is no suggestion of neoplasia.

SPECIES

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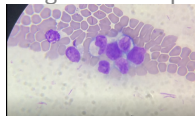


Image shows a group of pleomorphic lymphoid cells from the mediastinal mass in Tango.

BREED

Golden Retriever

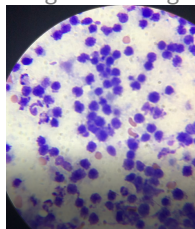


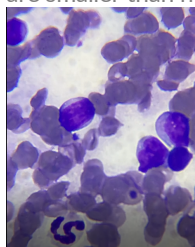
Image shows prescapular lymphoid cells. Note the nuclei are about the size of RBCs and these cells are smaller than neutrophils. Small, mature lymphocytes.

SEX

Male Neutered

AGE

4yr



Representative cells from the spleen. The lymphocytes are atypical with pleomorphic nuclei.

WEIGHT

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HOSPITAL NAME

Animal Emergency Care

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.

REFERRING VET

Dr. Ryan

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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