

**DATE PRESENTING CLINICAL SIGNS**

9/12/22

Hx of GI issues (blood in stool), abdominal pain, palpable abd. mass. Current meds: Budesonide, Famotidine U/S findings: Small pockets of scant peritoneal effusion were present. Enlarged, multifocal variable yet enlarged hypoechoic mid-abdominal mesenteric root lymph nodes were present.

**INTERPRETED BY**

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

The lymph nodes exhibited symmetrical to rounded margination with abnormal width: length ratio (>0.5). The enlarged lymph nodes were bordered by echogenic to reactive mesentery. The mesenteric root lymph nodes measured 6.9 cm length and 3.5 cm width.

**PATIENT**

Emily Callen

**CYTOLOGY SUBMISSION**

FNA of Lymph Node

**SPECIES**

Canine

**OBSERVATIONS**

Mesenteric lymph node: Submitted are 6 excellent videos of excellent collections of cells from the mesenteric lymph node in Emily. The cellularity is mixed with large numbers of lymphoid cells. Approximately 50% of the lymphoid cells are large to intermediate lymphoid cells with prominent irregular nucleoli. Mitotic figures are readily identified. There are scattered neutrophils and macrophages in the collection. Many of the lymphoid cells are irregular and appear to be atypical. Some of the fields are more readily evaluated than others.

**BREED**

Shih Tzu Mix

**SEX**

FS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Mesenteric lymph node - Suggestive of high-grade lymphoma with mild inflammation (see comments)

**AGE**

5y

**COMMENTS**

The cellularity is suggestive of lymphoma. This is likely some type of lymphoma that is affecting the mesenteric lymph nodes and other organs. It very likely is not derived from the intestine. There could be other organs in the abdomen that are involved. This is suggestive but not confirmatory.

**WEIGHT**

13.6#

Immunophenotyping will be required to confirm the diagnosis. If chemotherapy is contemplated, then immunophenotyping of the cells to confirm the specific cell type may be beneficial for prognosis. The slides can be submitted for PCR testing or new slides that are not stained can be submitted for immunocytochemistry staining. Flow cytometry can be beneficial but will require a repeat collection of cells prior to submission to the laboratory. Contacting the laboratory to confirm how to submit flow cytometry samples is encouraged. A guarded to unfavorable prognosis is warranted until further diagnostics can confirm what may be occurring in this lymph node which is very suggestive of a high-grade lymphoma.

**HOSPITAL NAME**

Newton Veterinary  
Hospital

**REFERRING VET**

Dr. Colyer

**INVOICE NUMBER**

40600



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**PATIENT**

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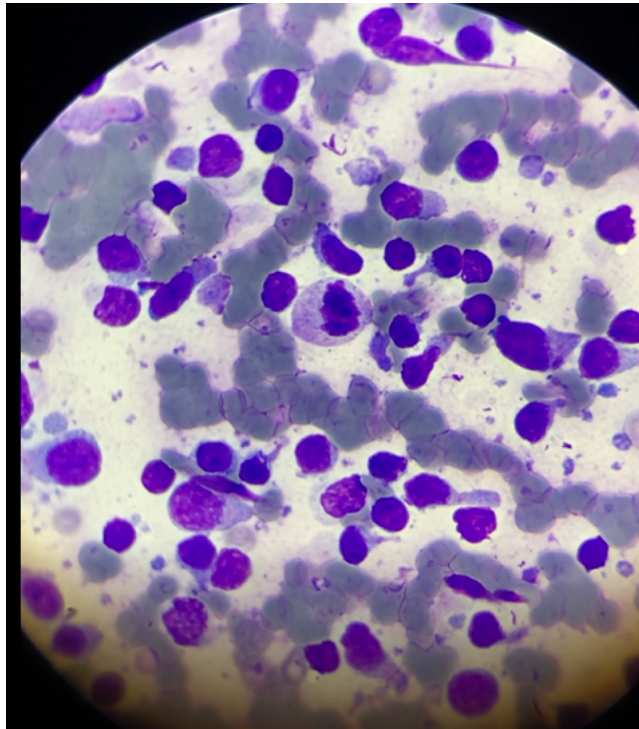


Image shows a representative collection of cells from the mesenteric lymph node in Emily. Note the mitotic figure in the center.

**SEX**

FS

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.

**AGE**

5y

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.

**WEIGHT**

13.6#

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