



**DATE PRESENTING CLINICAL SIGNS**

7/26/22

Hyperthyroid as of 5/2/2022. Currently well controlled and gaining weight. On Methimazole 5mg 1/2 tablet BID .

6/6/2022 presented for pancreatitis. The ALT is lower but not normal.

Recent history of vomiting several times a day.

**INTERPRETED BY**

BW (6/6/2022) ALT 898, ALP 140. FPL Abnormal.

BW (7/25/2022) ALT 216

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

AUS (today): splenomegaly with mild scalloped edges, enlarged/reactive mesenteric LN, 2 cm diameter hypochoic, irregular structure in R cranial abdomen near R pancreas. Variable thickening of the muscularis layer in the SI.

**PATIENT CYTOLOGY SUBMISSION**

Tiger Coulombe

Mass; spleen

**OBSERVATIONS**

**SPECIES**

Feline

Mass: Submitted are several videos of cells collected from the abdominal mass in Tiger. The cellularity is minimal in most of the videos. There are scattered inflammatory cells. There are packets of cells that have round nuclei and packets that have elongated nuclei. The round nucleated cells have minimal cytoplasm and the cytoplasm is difficult to determine margins. Where present, it appears to be bluish gray. This is the same for the elongated cells. The inflammation is scattered throughout the surrounding fluid and red blood cells.

**BREED**

DSH

Spleen: Submitted are several videos of cells collected from the spleen in Tiger. The nucleated cellularity is minimal. The cellularity is mixed with scattered neutrophils, lymphocytes and even nucleated red blood cells. There are a few macrophages in some locations. Aggregates of platelets can readily be identified suggesting an acute hemorrhagic aspirate. Malignant characteristics are not identified although some of the lymphoid cells are reactive.

**SEX**

Male Neutered

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Mass - Minimal numbers of cells collected suggesting neuroendocrine tumor such as an islet cell carcinoma with mild chronic inflammation.

**AGE**

13y

Spleen - Minimal to moderate numbers of cells with a suggestion of inflammation and reactive lymphoid tissue.

**WEIGHT**

13 lb

**COMMENTS**

The cellularity in this collection suggests the possibility of an islet cell carcinoma or other type of neuroendocrine tumor. Those packets of cells are few in numbers but they are present. There is some inflammation in the surrounding red blood cells and fluid. Exploratory surgery will likely be required to confirm the diagnosis. The splenic cellularity is most consistent with chronic splenitis and reactive splenic tissue. This could be secondary to pancreatitis or enteritis or any process within other organs in the abdominal cavity. As stated previously, exploratory evaluation will likely be required to confirm the process or repeat aspiration with the goal of collecting more cells from the mass may be required. A guarded to unfavorable prognosis is warranted with the appearance of these irregular cells in the mass.

**HOSPITAL NAME**

Scanvet

**REFERRING VET**

Dr. Sheridan

**INVOICE NUMBER**

763



**DATE**

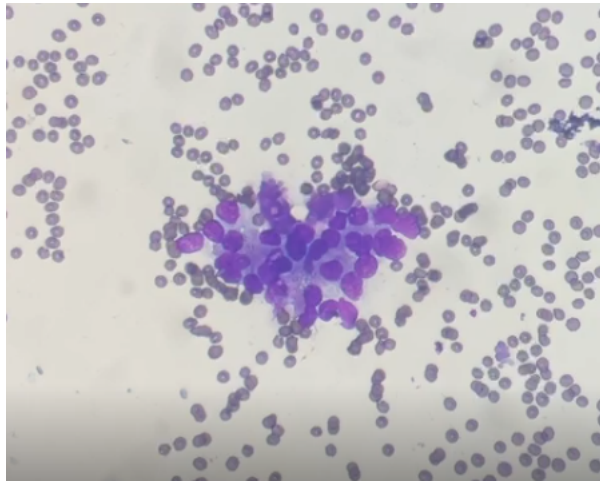
7/26/22

**INTERPRETED BY**

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

**PATIENT**

Tiger Coulombe



**SPECIES**

Feline

Image shows a group of cells collected from the mass near the pancreas in Tiger. They have a neuroendocrine appearance. Islet cell carcinoma?

**BREED**

DSH

**SEX**

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**HOSPITAL NAME**

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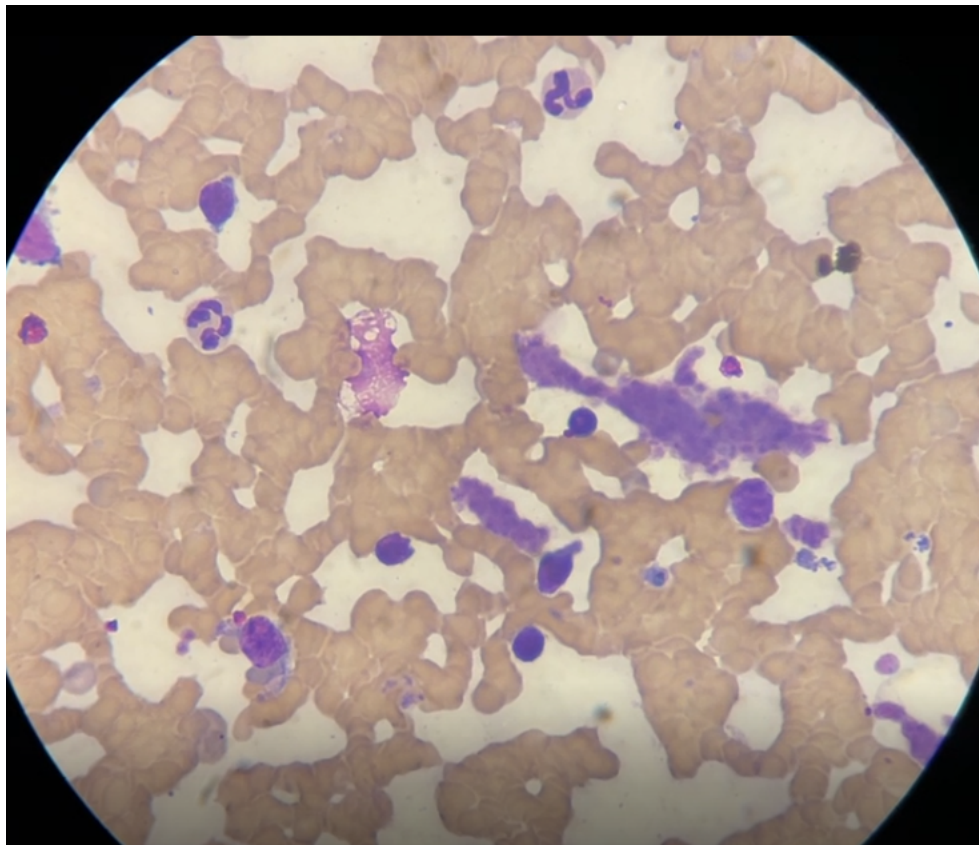


Image shows a representative collection of cells from the spleen in Tiger. Note the mixture of cells with aggregates of platelets. Small lymphocytes, neutrophils and a macrophage are noted.

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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.

**PATIENT**

Tiger Coulombe

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