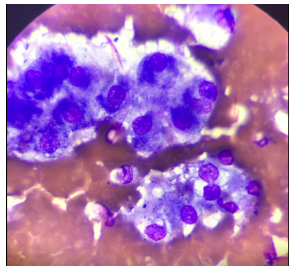




DATE	PRESENTING CLINICAL SIGNS
9/22/2021	Reason for u/s: Check liver and kidneys, tumor hunt. U/S findings: Mottled spleen with a hypoechoic mass. The diffuse splenic changes are non-specific and could be consistent with lymphoid hyperplasia, extramedullary hematopoiesis, infiltrative neoplasia, inflammation, other. Cytology or histopathology would be necessary to get a definitive diagnosis.
INTERPRETED BY	HISTOPATHOLOGY
L.D. McGill, DVM, Ph.D, DACVP	Heterogenous liver with small, hypoechoic nodule. The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, nodular hyperplasia, inflammatory/immune-mediated disease, fibrosis, extramedullary hematopoiesis, toxic hepatopathy (e.g., copper), infiltrative neoplasia (less likely) or other hepatopathy.
PATIENT	BUN 39, ALT 135, ALKP 462, Ca++ high 13.8 and 11.9 corrected, Mg++ 3.0, Na 162, Cl- 132, chol 411; USPG 1.027
Cezar Stephenson	CYTOLOGY SUBMISSION Liver; Spleen
SPECIES	OBSERVATIONS
Canine	Liver: Submitted are 2 excellent videos of excellent to moderate collections of cells from the liver in Cezar. There are good collections of hepatocytes that demonstrate granularity to the cytoplasm and scattered cells that have vacuolization. The nuclei are rather uniform. There are areas that suggest the possibility of increase numbers of cells or nodular hyperplasia. The surrounding red blood cells include mature small lymphocytes with scattered aggregates of neutrophils. Criteria of malignancy are not identified.
BREED	SPLEEN
Mix	Spleen: Submitted are 5 excellent videos of excellent collections of cells from the spleen. The cellularity in the spleen is mixed. There are nucleated RBCs, neutrophils and mature small lymphocytes with very few reactive lymphoid cells. The nucleated RBCs are representing all series. There are rare megakaryocytes. There is no suggestion of malignancy in any of the cells in the spleen.
SEX	There are many aggregates of hemosiderin in some macrophages and associated with RBC precursors.
Male Neutered	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
AGE	Liver - Hepatocellular granularity and vacuolization with possible nodular hyperplasia. Spleen - Mixed cellular collection consistent with prominent extramedullary hematopoiesis and mild changes suggestive of splenitis.
12y9m	COMMENTS
WEIGHT	The changes in the liver suggest the likelihood of some type of metabolic hepatopathy including the possibility of vacuolar hepatopathy and nodular hyperplasia. There is inflammation which could be the result of lymphocytic changes in the liver. This could suggest a chronic active hepatitis or the possibility of some ascending inflammation up the biliary tree with neutrophils and lymphocytes.
11yr	The changes in the spleen suggest extramedullary hematopoiesis with hemosiderosis and possible immune mediated hemolytic anemia in the past. There is no suggestion of malignancy. All of these changes in both organs could be responding to problems in the pancreas or intestine or in other locations in the abdominal cavity. There is no suggestion of malignancy or sepsis in this collection.
HOSPITAL NAME	
ACC Flanders	
REFERRING VET	
Dr. Hallihan	
INVOICE NUMBER	Image shows hepatocytes with granularity and vacuolization of the cytoplasm. There are scattered lymphocytes associated with the hepatocytes.
1234	





DATE

9/22/2021

INTERPRETED BY

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

PATIENT

Cezar Stephenson

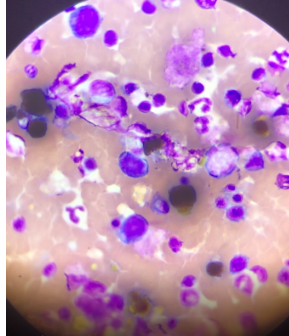


Image shows representative cells collected from the spleen with all series present in the aspirate from Cezar. Note the yellow hemosiderin present.

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.

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.

BREED

Mix

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cell: 801-865-1220

SEX

Male Neutered

AGE

12y9m

WEIGHT

11yr

HOSPITAL NAME

ACC Flanders

REFERRING VET

Dr. Hallihan

INVOICE NUMBER

1234