



DATE	PRESENTING CLINICAL SIGNS
3/16/22	U/S Findings: Liver The liver revealed coarse architecture and generalized enlargement. The gallbladder and common bile duct were unremarkable. Spleen The spleen was diffusely hyperechoic to the falciform fat, possible amyloid accumulation.
INTERPRETED BY	Hyperechoic structure was noted just cranial to the spleen.
L.D. McGill, DVM, Ph.D, DACVP	Diabetic, elevated ALT/ALKP/Tbili, pre surgical. Hx of bladder stones. Current meds: Vetsulin- 15 units in AM + 14 units in PM Platelet Count 700, ALT 205, ALKP 2085, T. Bili 0.4, BUN/Crea 28, Gluc 360, Na/K Ratio 26, Cholesterol 934, Triglyc 1852 UA: WBC 2-3, Glucose 3+, Protein 1+ SG: 1.025
PATIENT	
Max Scholz	
	CYTOLOGY SUBMISSION
SPECIES	FNA of Liver & Spleen
Canine	
	OBSERVATIONS
BREED	Liver: Submitted are 2 excellent videos of moderate collections of cells from the liver in Max. There are aggregates of hepatocytes in many fields. The surrounding red blood cells have a mixture of neutrophils and lymphocytes. The hepatocytes demonstrate slight vacuolization and granularity with no other significant change. There are no characteristics to support neoplasia or sepsis.
Min. Schnauzer	Spleen: Submitted are 4 excellent videos of cells collected from the spleen. Three of the videos have moderate cellularity and one video has excellent cellularity. The moderate cellularity includes a mixture of nucleated red blood cells, lymphocytes and neutrophils. Macrophages and megakaryocytes are readily identified. One video demonstrates large numbers of round cells. These round cells have dark cytoplasm which is bluish gray. The nuclei are 2 to 4 times the size of red blood cells. Nucleoli are prominent and irregular in these cells. These fields strongly suggest atypical lymphoid cells in the spleen.
SEX	
Male Neutered	
	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
AGE	Liver - Hepatocellular vacuolization and granularity with mild inflammation.
9yr	Spleen - One focus of atypical lymphoid cells suggesting early lymphoma with a mixed cellular collection in the rest of the videos.
WEIGHT	
32#	
	COMMENTS
HOSPITAL NAME	The changes in the liver and most of the spleen are secondary changes which could be consistent with an inflammatory process such as an abscess or pancreatitis or enteritis. Other types of changes could cause this secondary process in the liver and spleen. I am concerned about the one focus of large numbers of apparent atypical lymphoid cells. These cells are irregular and have characteristics of high-grade lymphoma. If chemotherapy is contemplated, immunophenotyping of the cells in this collection may be beneficial to identify cell type. This information may contribute to the prognosis. These slides may be submitted for PARR testing or biopsy and immunohistochemistry staining can be undertaken.
ACC Flanders	Re-collection for flow cytometry evaluation will be required if that testing is desired. You may wish to contact the laboratory to confirm the sample required for flow cytometry. A guarded prognosis is warranted since there are these irregular cells in the spleen. Exploratory may be required to confirm the process.
REFERRING VET	
Dr. Hallihan	
INVOICE NUMBER	
40781	



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INTERPRETED BY

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

PATIENT

Max Scholz

SPECIES

Canine

BREED

Min. Schnauzer

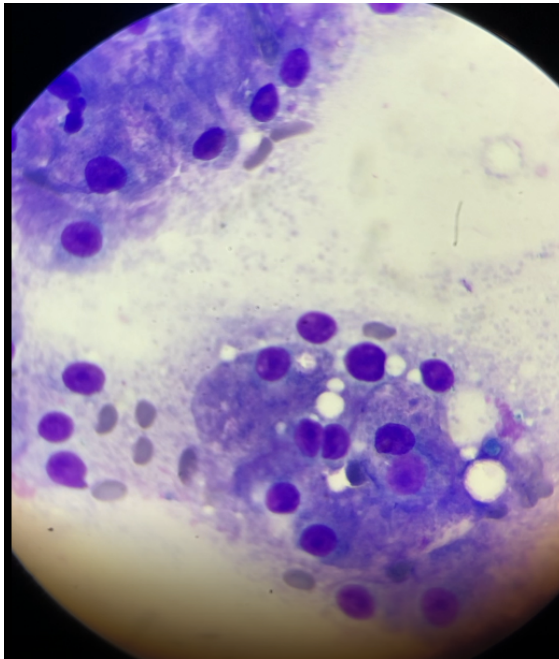


Image shows representative hepatocytes with vacuolization and granularity. Mild inflammation is associated.

SEX

Male Neutered

AGE

9yr

WEIGHT

32#

HOSPITAL NAME

ACC Flanders

REFERRING VET

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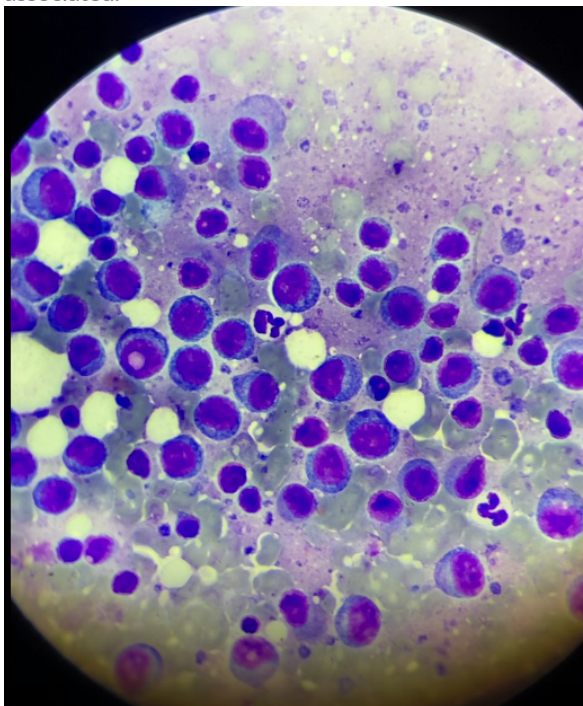


Image shows a representative collection of large atypical lymphoid cells from the spleen in Max. Note the prominent irregular nucleoli.

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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

Max Scholz

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SPECIES

Canine

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