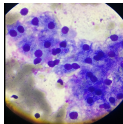
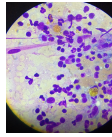


DATE	PRESENTING CLINICAL SIGNS
11/13/21	History: FNA Post Ultrasound - severe paraparesis pelvic limbs. -hypothyroidism -polyarthritits - bilateral hip dysplasia, elbow dysplasia,OA in both stifles hx of CCL ears - TPLO on left stifle
INTERPRETED BY	- atopy -currently managed. - progressive liver enzyme elevation
L.D. McGill, DVM, Ph.D, DACVP	
PATIENT	CYTOLOGY SUBMISSION
Thor Sturdevant	Liver; spleen
SPECIES	OBSERVATIONS
Canine	Liver: Submitted are 4 excellent videos of moderate to good collections of cells from the liver in Thor. There are scattered aggregates of hepatocytes demonstrating hepatocellular vacuolization and granularity. Interspersed are scattered neutrophils with very few lymphocytes and some macrophages. Degenerate debris is present in some parts of the surrounding blood material. Occasionally neutrophils are closely associated with hepatocytes.
BREED	Spleen: Submitted are 4 excellent videos of cells collected from the spleen in Thor. The cellularity is mixed with large numbers of nucleated RBCs and other series associated with hematopoiesis including megakaryocytes. There are multiple aggregates of macrophages, many of which contain hemosiderin or other red blood cell pigments. Lymphoid cells and neutrophils are interspersed throughout the smears. There were several aggregates of macrophages throughout these smears. Malignant characteristics are not identified.
Golden Retriever	
SEX	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
Male Neutered	Liver - Hepatocellular vacuolization and granularity with apparent chronic suppurative hepatitis. Spleen - Prominent extramedullary hematopoiesis with fibrohistiocytic nodules and evidence of hemosiderosis.
AGE	COMMENTS
12y	The cellularity in the liver suggests the possibility of a chronic inflammatory process with hepatocellular vacuolization and granularity. The vacuolization and granularity could be the result of metabolic liver disease problems or even the possibility of response to therapeutic agents. The inflammatory process could be secondary to problems involving enteritis or pancreatitis or even leptospirosis. There is no suggestion of malignancy in the liver.
WEIGHT	The cellularity in the spleen suggests prominent hematopoiesis and evidence of erythrophagocytosis. This can be a physiologic process or could be due to immune mediated anemia in the past. There are no changes in the spleen that would suggest neoplasia or sepsis. Continued evaluation for other disease processes including leptospirosis is encouraged after evaluating the cellularity from these organs. There could be chronic pancreatitis or enteritis as well.
HOSPITAL NAME	
VCA McKenzie Animal Hospital	
REFERRING VET	Image shows hepatocytes with vacuolization and granularity collected from Thor. Other fields had large numbers of inflammatory cells.
Dr. Arpaia	
INVOICE NUMBER	
631	



DATE

11/13/21



INTERPRETED BY

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

Image shows a representative collection of cells from the spleen in Thor. Note the lymphocytes, nucleated RBCs, macrophages and hemosiderin.

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.

PATIENT

Thor Sturdevant

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.

SPECIES

Canine

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

BREED

Golden Retriever

SEX

Male Neutered

AGE

12y

WEIGHT

95.2lbs

HOSPITAL NAME

VCA McKenzie Animal
Hospital

REFERRING VET

Dr. Arpaia

INVOICE NUMBER

631