

PATIENT

Teketa Holmes

SPECIES

Canine

BREED

Bichon Frise

SEX

FS

AGE

13yr

WEIGHT

22.8lb

INTERPRETED BY

Dr. Lawrence McGill,
DVM,Ph.D.,Diplomate,
ACVP

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Forest Valley
Veterinary Clinic

REFERRING VET

Dr Atkinson

INVOICE

24771

DATE

05/08/2026

PRESENTING CLINICAL SIGNS

Bloodwork, and in house ultrasound suspect enlarged liver. Had Animal Sounds ultrasound and found liver nodules, FNA was then requested.

ABNORMAL Labwork Values

ALK PHOS 456, Elevated platelets

Current Medications Clindamycin 75mg, Carprofen 75mg

CYTOLOGY SUBMISSION

Liver

OBSERVATIONS

Submitted are 3 very good videos of minimal collections of cells from the liver in Teketa. There are very few hepatocytes in the hemodiluted collection. There are some fields that are very dense hepatocellular collections that cannot be evaluated but there are scattered aggregates that are spread out so that they can be evaluated appropriately. The hepatocytes demonstrate slight granularity of the cytoplasm and scattered vacuoles that appear to be lipid. There is some free lipid in the smears. The cellularity suggests metabolic changes in the hepatocytes. The surrounding red blood cells have a mixture of inflammatory cells including neutrophils, lymphocytes and scattered macrophages. There are no changes that would support malignancy in this collection.

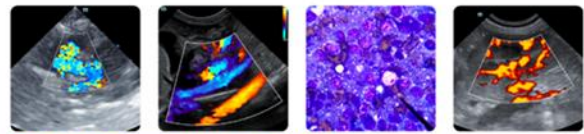
INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Hemodiluted collection with scattered aggregates of hepatocytes and mixed inflammatory cells in the RBCs.

COMMENTS

The cellularity supports metabolic liver changes which include granularity and vacuolization. Many cases of hepatocellular vacuolization are secondary to pancreatitis or enteritis. These changes may be primary to the liver but are commonly secondary. The inflammation in the surrounding red blood cells is most consistent with secondary inflammation which could be draining from the pancreas or the intestine. It could also be the result of chronic systemic inflammation such as leptospirosis. There are no changes that support neoplasia or sepsis. This appears to be an inflammatory and metabolic secondary hepatic change in my opinion. A guarded prognosis is warranted since this is likely secondary and not primary.

CYTOLOGY IMAGE



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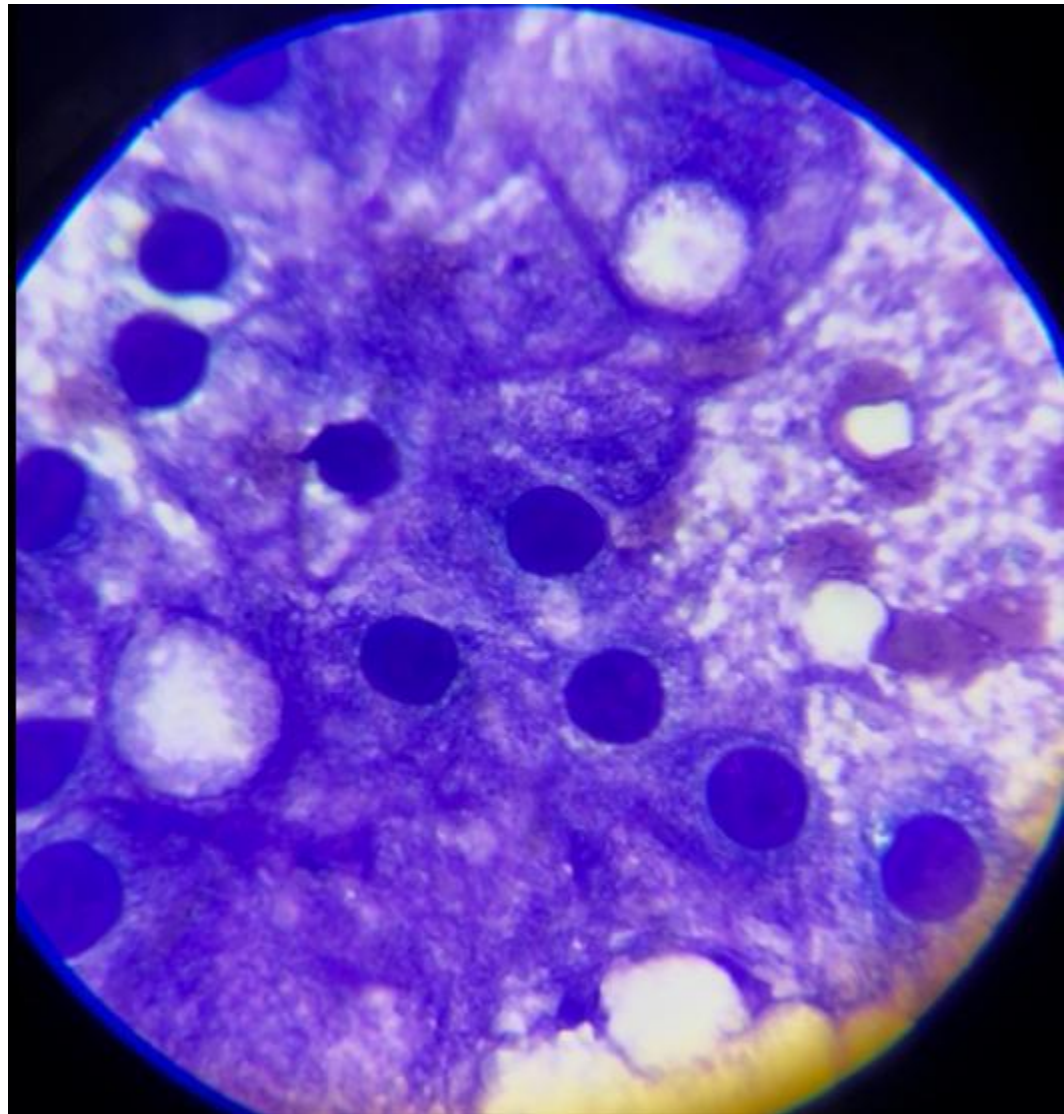
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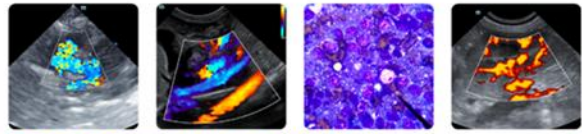
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This is an image of one of the fields of hepatocytes collected from the liver in Teketa. Note the vacuolization and rather uniform nuclei with slight granularity of the cytoplasm of these hepatocytes. Inflammatory cells were represented in the surrounding red blood cells in other fields.

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.



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

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info@sonopath.com

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