



## PATIENT

Indy Horellou

## SPECIES

Canine

## BREED

Lab Mix

## SEX

Spayed female

## AGE

13 ½ years

## WEIGHT

28.1 kg

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Patti Mayfield, DVM

## HOSPITAL NAME

Sunriver VC

## REFERRING VET

Lindsay Smith, DVM

## INVOICE

73830

## DATE

3/25/26

## PRESENTING CLINICAL SIGNS

History: presenting complaint is that patient has been “slowing down”

Elevated ALP -mild elevation in SDMA and BUN US (3/17/26): • Mildly expansive cranial splenic masses with concurrent separate intermittent probable benign myelolipomas • Enlarged nonhomogeneous liver with intraparenchymal mixed echogenic to irregular macronodules / small masses • Mild nonorganized gallbladder debris (non mucocele) • Chronic renal changes exhibiting mild left kidney pyelectasia and cyst • Bilateral enlarged nodular adrenal glands • Small nonobstructive shadowing pyloric echo  
**INTERPRETATION:** - The hepatosplenic presentation is highly suggestive of multicentric hepatosplenic neoplastic criteria with benign etiologies, i.e., hepatosplenic hyperplasia, granulomas, etc., possible yet thought less likely.

## CYTOLOGY SUBMISSION

FNA of the liver and spleen.

## OBSERVATIONS

**Liver:** Submitted are 3 large rapidly scanned videos of cells collected from the liver in Indy. Theoh samples are hemodiluted with scattered aggregates of hepatocytes that appear to be relatively normal. Interspersed throughout the red blood cells where the cells can be identified are good numbers of neutrophils with scattered lymphocytes. Malignant cellularity is not identified.

**Spleen:** Submitted are 4 large rapidly scanned videos of cells collected from the spleen in Indy. The cellularity is mixed with neutrophils, lymphocytes, plasma cells and macrophages. There are no changes that would support malignancy in the collection. The cellularity is characteristic of some type of chronic inflammatory process in this region.

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

**Liver** - Moderate suppurative hepatitis with no evidence of malignancy.  
**Spleen** - Mixed cellularity consistent with splenitis and extra medullary hematopoiesis.

## COMMENTS

The changes in the liver suggest some type of inflammatory process although this sample is hemodiluted. This could cause more neutrophilia from the red blood cells in circulation but there certainly is no evidence of neoplasia. The changes in the spleen could be secondary to inflammation or nonspecific changes including some type of hemolytic process. The samples are hemodiluted as well. There is no suggestion of malignancy or sepsis. My concern would be some type of inflammatory process including pancreatitis or enteritis or some type of systemic inflammatory reaction even something that might cause anemia. Has leptospirosis been ruled out? A guarded prognosis is warranted since the changes in this collection are not diagnostic.



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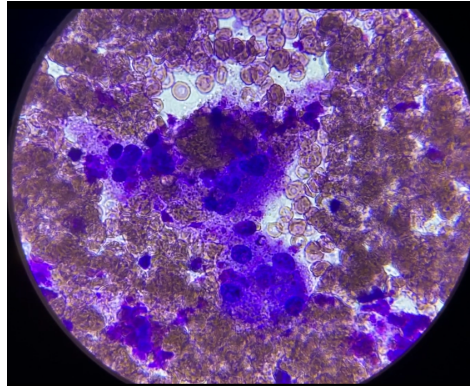
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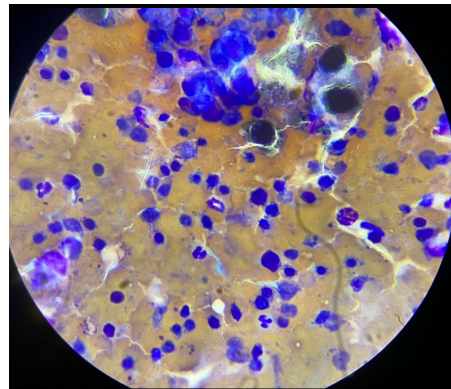
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## CYTOLOGY IMAGE



This is an image of hepatocytes in a hemodiluted sample with scattered inflammatory cells that are neutrophils in the surrounding parenchyma interspersed with aggregates of platelets. This is a sample collected from the liver in Indy.



This is an image of cells collected from the spleen in Indy. note the aggregates of hemosiderin with a human diluted background and a mixture of nucleated cells throughout the image.

**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.

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

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