



DATE PRESENTING CLINICAL SIGNS

9/27/2021

Persistent cough, weight loss and muscle wasting. Acutely worse the last few days. AUS: consistent with hepatosplenic neoplasia. Several large splenic and hepatic masses. Associated peritoneal free fluid. FNA of Spleen and Liver.

INTERPRETED BY CYTOLOGY SUBMISSION

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

U/S-guided FNA of both liver and spleen.

OBSERVATIONS

Liver: Submitted are a large number of short videos of cells collected from the liver in Ruka. The hepatocytes in general demonstrate granulated cytoplasm with a few cells demonstrating vacuoles. There are mixed inflammatory cells in the surrounding red blood cells. There are many aggregates of cells that have a well-organized pattern are superficial mesothelial cells from the surface of the liver. Many of the cells show skirts. There are video collections that include large numbers of neutrophils with degenerate debris. Scattered macrophages are identified in those collections. I was unable to identify any changes that would support malignant criteria. Spleen: Submitted are a good number of short videos with moderate cellularity of cells collected from the spleen in Ruka. The cellularity is mixed throughout splenic tissue. There are groups of superficial mesothelial cells in the collection. There also appears to be one aggregate of macrophages or tissue collection. They do not appear to be atypical. The cellularity includes neutrophils, nucleated RBCs and a very few lymphocytes. There are no changes to support malignancy.

PATIENT

Ruka Rackliff

SPECIES

Canine

BREED

Border Collie mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Focal areas of severe suppurative inflammation with necrosis and mild diffuse inflammation with secondary hepatocellular vacuolization.
Spleen - Diffuse chronic suppurative splenitis with extramedullary hematopoiesis and no evidence of malignancy.

SEX

FS

AGE

14-year-old

WEIGHT

50 lbs

COMMENTS

The changes in both of these organs suggest the likelihood of a severe inflammatory process. It is likely a bacterial infection of a severe degree. Bacterial culture of material collected from the liver may be beneficial but with so many neutrophils, this bacterial culture may not be beneficial. These inflammatory changes could certainly cause a severe reaction in the liver. The spleen is likely responding secondarily to whatever is occurring in the liver and possibly elsewhere. Pancreatitis and chronic enteritis with bacterial infection in either needs to be evaluated. Heavy antibiotic therapy, long term may be required to assist Ruka in feeling better. A guarded prognosis is definitely warranted.

HOSPITAL NAME

Scanvet

REFERRING VET

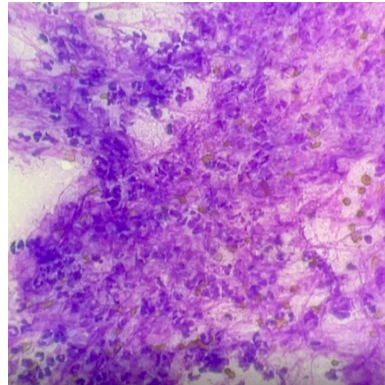
Dr. perkins



DATE 9/27/2021
Image below shows massive numbers of neutrophils associated with necrotic debris and probable bacteria collected from the liver in Ruka. There are no hepatocytes in this image. This may not be the primary source for this reaction.

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PATIENT

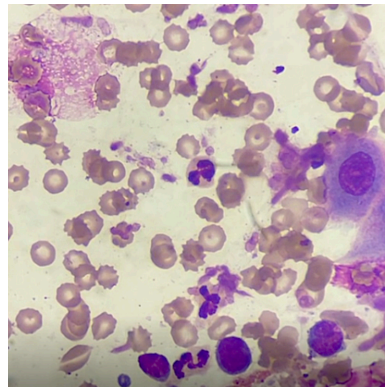
Ruka Rackliff

SPECIES

Canine Image below shows a good number of neutrophils with reactive mesothelial cells to the right. There appears to be a mature lymphocyte and NRBC below.

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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.

HOSPITAL NAME

Scanvet

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.

REFERRING VET

Dr. perkins

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