



**DATE PRESENTING CLINICAL SIGNS**

5/9/23  
History:  
1. Hx of cutaneous hemangiosarcoma  
2. Mass on caudal elbow r/o neoplasia (benign vs malignant) 1-2 mm black pigmented pedunculated dermal mass on the caudal aspect of the left olecranon

**INTERPRETED BY**

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

**CYTOLOGY SUBMISSION**

FNA of Liver and Spleen

**PATIENT OBSERVATIONS**

Roxy Harder  
Liver: Submitted are 3 excellent videos of very good collections of cells from the liver in Roxy. The hepatocytes demonstrate slight vacuolization and granularity. The surrounding red blood cells contain a mixture of neutrophils and lymphocytes. Spindloid cells are not identified in the collection nor are there other cellular changes that would support neoplasia.  
Spleen: Submitted are 2 excellent videos of minimal cellular collections from the spleen in Roxy. The cellularity consists of neutrophils, lymphocytes and aggregates of platelets. There are no cellular changes that support neoplasia and there certainly is no suggestion of spindloid cells or neoplastic cells.

**SPECIES**

Canine

**BREED**

Pit bull

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Liver - Mild hepatocellular vacuolization and granularity with mild evidence of inflammation  
Spleen - Very mild suppurative inflammation with evidence of acute blood collection.

**SEX**

FS

**COMMENTS**

**AGE**

5y

**WEIGHT**

59.2 lbs

The changes in these aspirates demonstrate minimal reaction. There is evidence of mild inflammation, but this could be secondary to many different conditions. There is no suggestion of malignancy. The hepatocellular change is minimal and certainly reversible. This suggests the possibility of metabolic changes that would be draining to the liver. The inflammatory processes were noted in both organs. There were no cellular changes that would suggest hemangiosarcoma. I would be surprised to identify hemangiosarcoma in either of the organs when there were no cavitation lesions observed in ultrasonography evaluation. If there were cavitation lesions in one or other of these organs, then those areas should have been collected. At this time, I strongly suspect that the hemangiosarcoma on the elbow was limited to that location. Regional lymph nodes could be evaluated if desired. Another source for hemangiosarcoma in the dog is the atrial tissue in the heart.

**HOSPITAL NAME**

West Salem Animal  
Clinic

**REFERRING VET**

Dr. Crane

**INVOICE NUMBER**

40722



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**INTERPRETED BY**

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

**PATIENT**

Roxy Harder

**SPECIES**

Canine

**BREED**

Pit bull

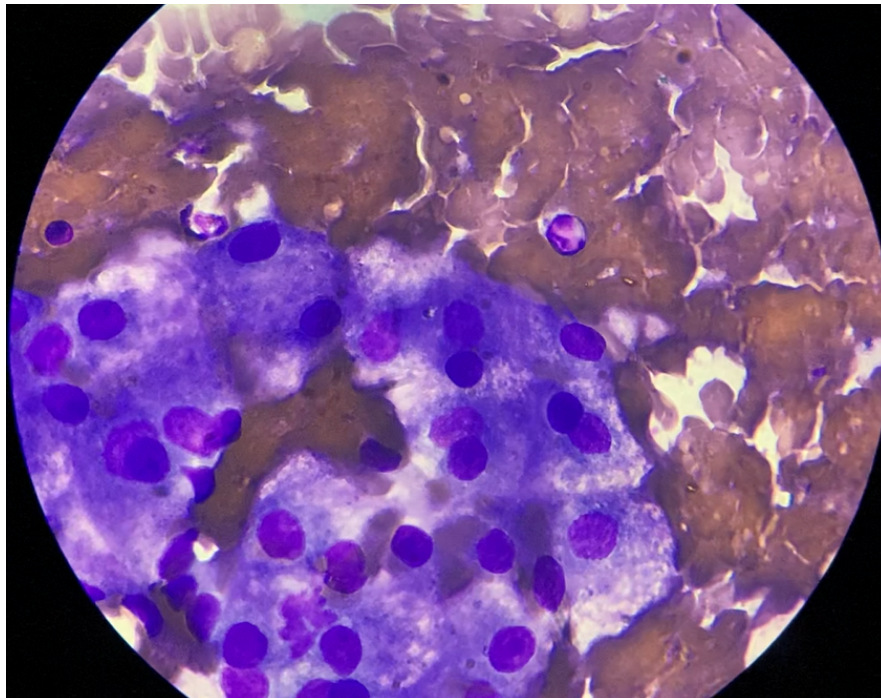


Image demonstrates a group of hepatocytes with vacuolization and granularity surrounded by red blood cells and inflammation collected from the liver in Roxy. There is no suggestion of malignancy in this collection.

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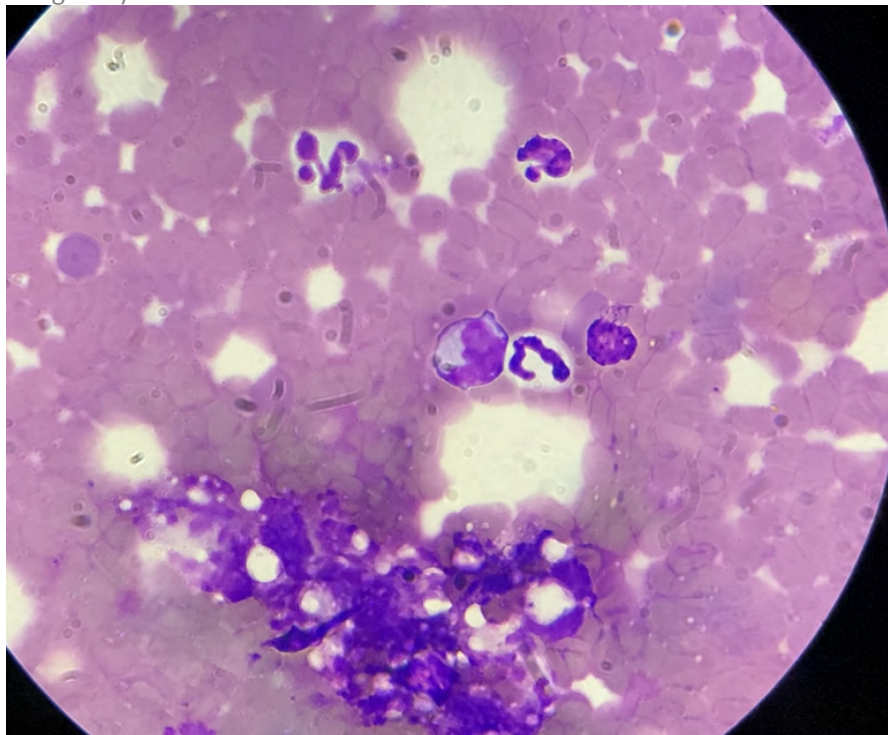
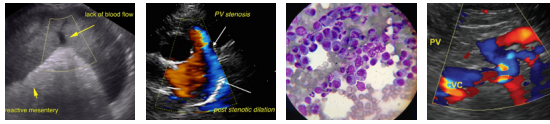


Image shows a collection of inflammatory cells and aggregates of platelets from the spleen in Roxy. The aggregates of platelets are the amorphous structures at the base of the image.

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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.

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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**

Roxy Harder

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

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