



PATIENT

Romeo Grammas

SPECIES

Canine

BREED

Cavalier King Charles
Spaniel

SEX

Male

AGE

5 Years

WEIGHT

11 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Saddam Hussain

HOSPITAL NAME

Pawsitive VC, Dubai,
Silicon Oasis

REFERRING VET

Dr. Inam ul Haq

INVOICE

35458

DATE

1/18/26

PRESENTING CLINICAL SIGNS

History: The patient came for the second opinion to assess pancreas. Blood test done before dental scaling showed significantly elevated lipase and CPLi levels. Blood test done at another practice showed thrombocytopenia as an incidental finding, likely caused by machine artefact. The patient is not showing any clinical signs of thrombocytopenia. The HCT was marginally low, 36.7% (normal 37.3-61.7%). Blood smear was made and submitted to rule out leukemia, blood parasites any platelet abnormalities.

CYTOLOGY SUBMISSION

Blood smear

OBSERVATIONS

Submitted are 30 very good images of the blood smear collected from Romero. There are good collections of red blood cells throughout all of the images. Many red blood cells have irregular vacuoles in the cytoplasm. There were only three nucleated cells observed. Two of the cells were nucleated red blood cells and one was a neutrophil. Platelets were scattered throughout. The platelets appeared to be within normal size. There were very few polychromatophilic cells observed. Parasites were not identified.

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

No suggestion of leukemia or hemoparasites, platelet abnormality or confirmed cause for slight anemia.

COMMENTS

The vacuoles in the red blood cells appeared to be an artifactual vacuolar change. I suspect that the blood sat for a time before smears were made. There is no suggestion of leukemia but there are nucleated red blood cells in the few nucleated cells submitted. This suggests bone marrow response although polychromasia was minimal. If the vacuoles are real, then I'm concerned about the possibility of an iron deficiency anemia. This can be supported by a decreased MCV on the CBC analysis. If the MCV is not low, then these vacuoles are artifacts. A common source of iron deficiency anemia is bleeding into the intestine. This could be secondary to pancreatitis or secondary to other changes in the intestinal tissue. Hemoparasites were not identified. Further therapy for pancreatitis is encouraged. A guarded prognosis is warranted when that disease process is confirmed.

CYTOLOGY IMAGE

This image demonstrates a few red blood cells with irregular vacuoles and a nucleated red blood cell in the upper right in the blood smear collected from Romero.



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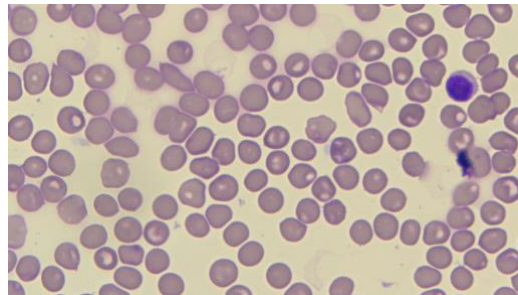
Male

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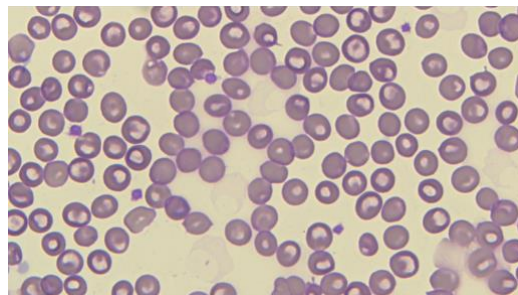
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This is an image of red blood cells demonstrating the variable vacuoles that suggest artifacts in the blood smear collected from Romero. There are a good number of platelets in this field as well. No parasites are identified.



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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.

IMAGING PERFORMED BY

Saddam Hussain

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