



DATE PRESENTING CLINICAL SIGNS

10/21/22

Chronic large bowel diarrhea with intermittent hematochezia for past year. Very recently moved to Maine from Hawaii. Losing weight and eating very little. Acute unilateral blindness/detached retina 2 months ago, progressed to OU. Hydrolyzed diets, deworming, Vit B-12, probiotics, metronidazole/Tylan: no change in symptoms. Current medications: Entyce.

INTERPRETED BY

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

BW (9/12/22): Alb 2.4, Glob 4.2, K+ 3.8. GI panel, Fecal Antigen, 4Dx, Lepto blood and urine, PT/PTT: all Neg/normal.

Diarrhea PCR panel (4/2022): Positive for C. Perf alpha toxin gene, high levels gene copies, positive for enterotoxin gene. Rest NEG.

AUS: thickened colon wall (transverse and descending sections) starting to lose clear wall layering in sections. Enlarged LN at Iliac Tri. Rest overall WNL.

PATIENT

Jack Ranger Egensteiner

SPECIES CYTOLOGY SUBMISSION

Canine

FNA of Rectal swab cytology

BREED

Collie/Golden mix

OBSERVATIONS
Rectal swab cytology: Submitted are large numbers of videos of cells collected from the rectal swab on Jack Ranger. There is very good cellularity throughout the smears. There is a massive background of bacteria in the first few videos. This is not as prominent on the second set of videos. There are scattered inflammatory cells that are neutrophils and rare lymphocytes. There were some structures on the first videos that resemble Giardia, but I cannot confirm that diagnosis. Hopefully there are other tests that look for that particular organism. Cytologically I was only able to identify mild inflammation and a large bacterial growth which may not be of much additional information in this case. Colonic biopsies may be required to confirm the underlying process and even then, additional information may or may not be available.

SEX

Male Neutered

AGE

3 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Rectal swab cytology - Mild chronic suppurative colitis with massive bacterial growth and possible Giardia.

WEIGHT

64 lbs

COMMENTS

This is an excellent preparation of cells and material collected from the colon from any dog. I was unable to identify any other cellular changes than these described. The bacterial growth in the first videos appeared to be very extensive. If culture has not been beneficial, then I am not certain as to how these bacteria relate. Other specific etiologic agents were not identified such as fungal agents. Specific parasites were not identified unless these organisms are Giardia as I suspect. The structures may be pollen spores. Continued evaluation of the intestinal tract will likely be required to confirm the underlying process. If blood is present, it may be present in the anterior digestive tract. A guarded to unfavorable prognosis is warranted.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. McGarvey

INVOICE NUMBER

40631



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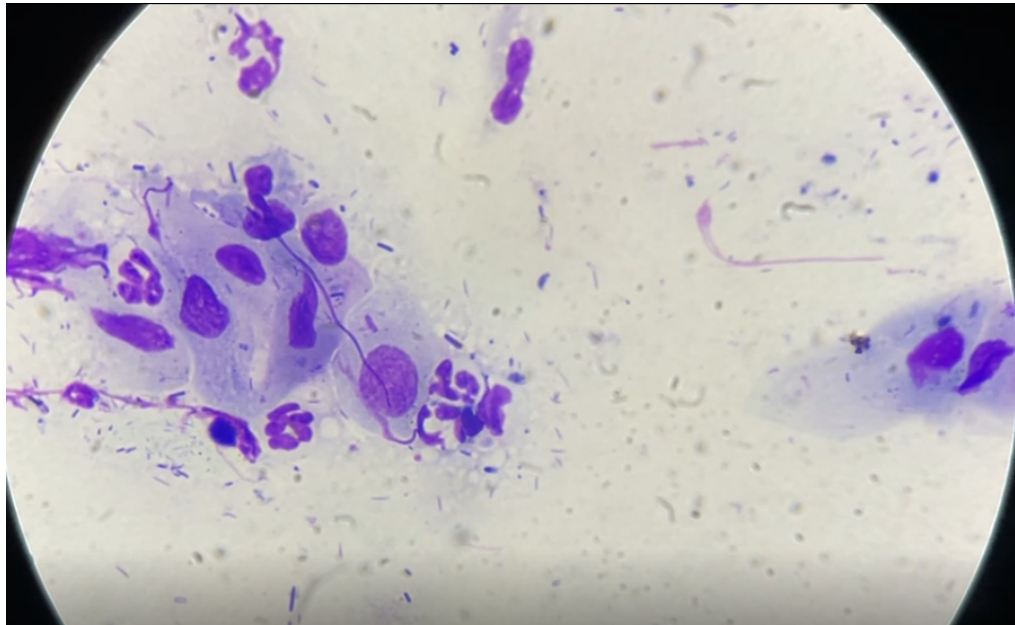


Image shows a group of epithelial cells with neutrophils and associated bacteria from the colon in Jack Ranger.

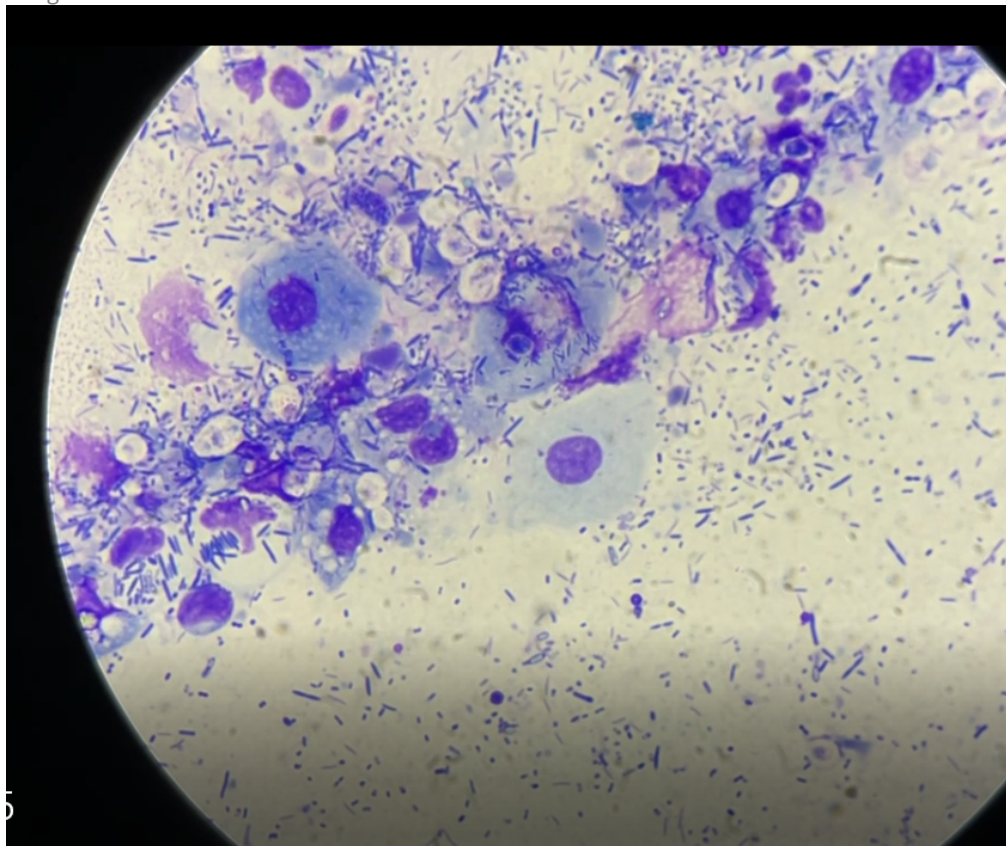


Image shows one of the early videos with massive bacteria and some structures that resemble Giardia? There are a few neutrophils in this rectal sample from Jack Ranger.



DATE 10/21/22 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.

INTERPRETED BY 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.

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