
ALICAM Ambulatory Light-based Imaging Report

Patient Name:
Patient Age: 7
Patient ID: 310957
Owner Name
Interpreting Veterinarian: Jill Pomrantz, DVM, DACVIM (SAIM)
Affiliation: Infiniti Medical
Referring Veterinarian:
Referring Clinic:
Procedure Date: Friday, February 12, 2016
Capsule SN: K1211.0080

First Gastric Image: Time: 0:03:10, Frame: 169
First Duodenal Image: Time: 6:08:53, Frame: 23014
First Cecal Image: Time: 8:13:33, Frame: 25202
Gastric Transit Time: 6:05:43
Small Bowel Transit Time: 2:04:40

Clinical History:

Vomiting, anorexia, weight loss, lethargy, tenesmus, flatulence, diarrhea

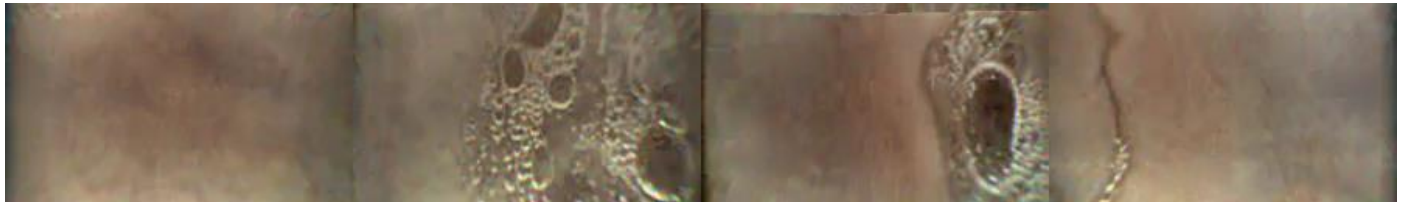
Findings:

Image 1 (Frame Number: 146, Transit Time: 0:03:01)



First esophageal image

Image 2 (Frame Number: 157, Transit Time: 0:03:05)



Normal esophagus

Image 3 (Frame Number: 169, Transit Time: 0:03:10)



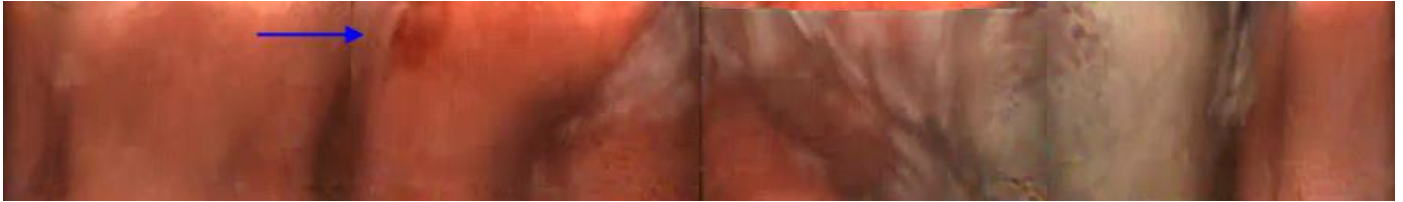
First gastric image

Image 4 (Frame Number: 278, Transit Time: 0:05:22)



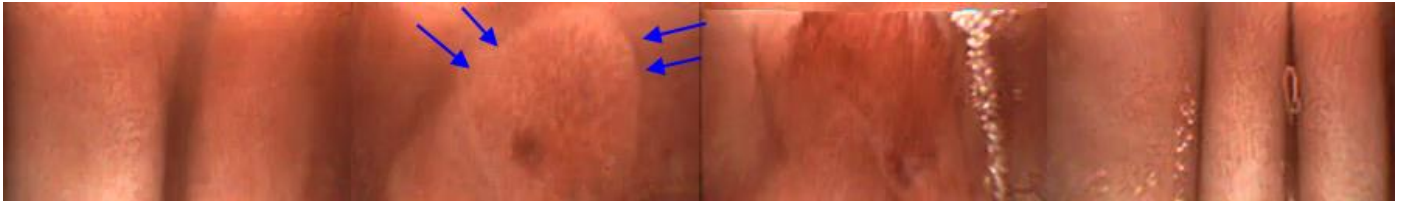
Gastric erosion

Image 5 (Frame Number: 2836, Transit Time: 1:12:10)



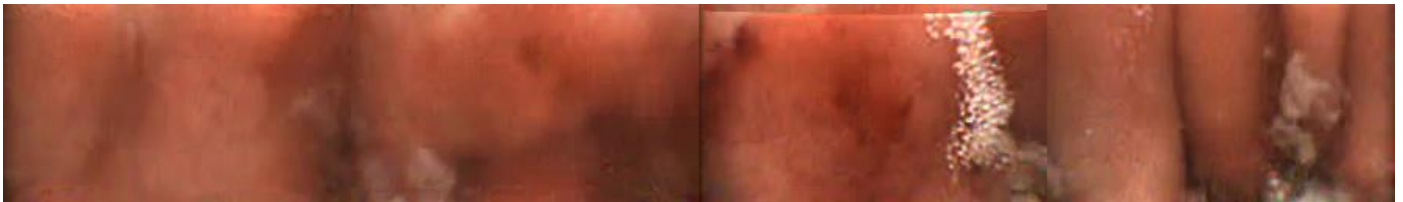
Gastric erosion

Image 6 (Frame Number: 2980, Transit Time: 1:14:46)



Nodular appearance to mucosa

Image 7 (Frame Number: 2983, Transit Time: 1:14:47)



Gastric erosions

Image 8 (Frame Number: 3153, Transit Time: 1:19:41)



Irregular mucosa with gastric erosions

Image 9 (Frame Number: 5210, Transit Time: 2:36:38)



Gastric erosions with suspect hematoma

Image 10 (Frame Number: 5245, Transit Time: 2:37:06)



Nodular area in gastric mucosa

Image 11 (Frame Number: 5698, Transit Time: 2:46:46)



Gastric erosion

Image 12 (Frame Number: 5918, Transit Time: 2:49:39)



Gastric erosion

Image 13 (Frame Number: 5956, Transit Time: 2:50:01)



Irregular gastric mucosa

Image 14 (Frame Number: 7398, Transit Time: 3:09:34)



Irregular gastric mucosa

Image 15 (Frame Number: 14405, Transit Time: 4:23:12)



Gastric hematoma

Image 16 (Frame Number: 15966, Transit Time: 4:41:26)



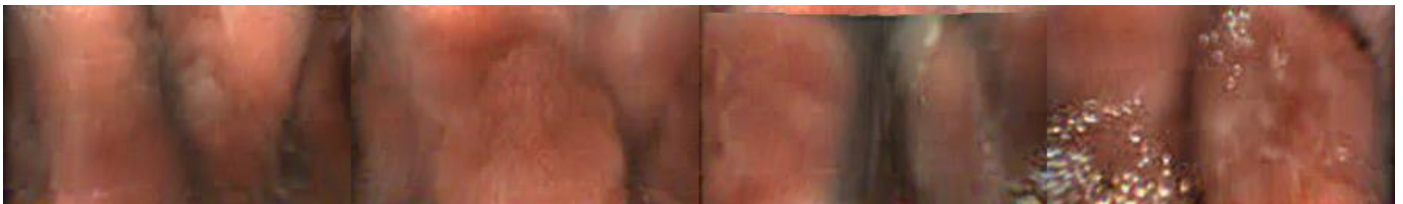
Irregular gastric mucosa

Image 17 (Frame Number: 16338, Transit Time: 4:49:46)



Gastric mucosal erythema and erosions

Image 18 (Frame Number: 16458, Transit Time: 4:52:53)



Irregular gastric mucosa with erosions

Image 19 (Frame Number: 16558, Transit Time: 4:55:24)



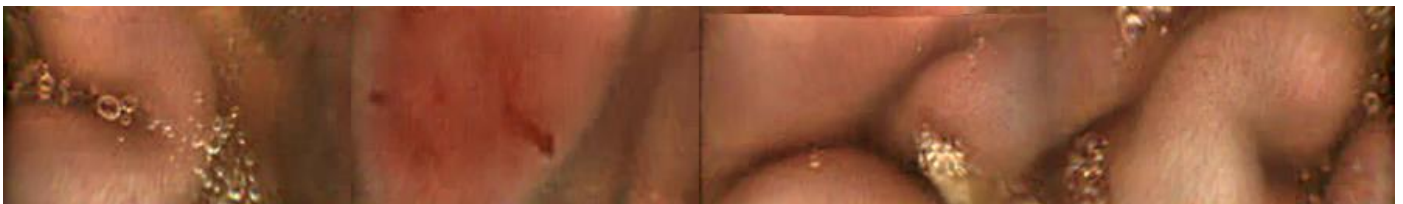
Gastric erosions

Image 20 (Frame Number: 22460, Transit Time: 6:02:39)



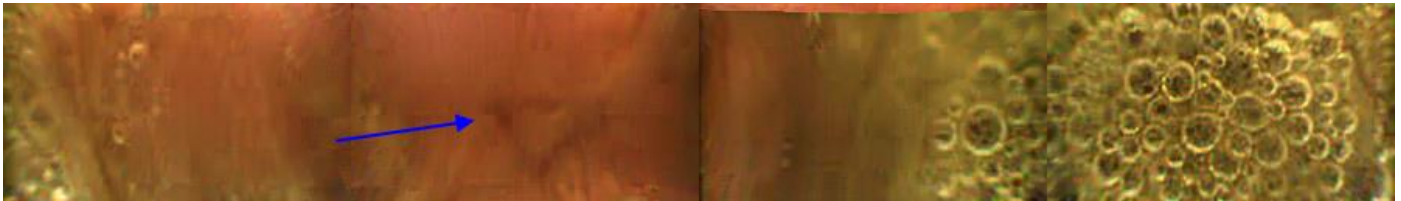
Irregular gastric mucosa

Image 21 (Frame Number: 22486, Transit Time: 6:03:07)



Gastric erosion with active hemorrhage

Image 22 (Frame Number: 23009, Transit Time: 6:08:50)



Erosion or ulcer at pyloroduodenal junction

Image 23 (Frame Number: 23011, Transit Time: 6:08:51)



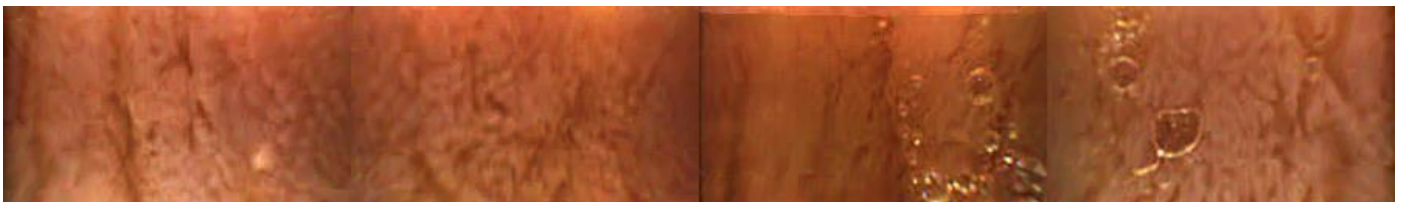
Erosion or ulcer at pyloroduodenal junction

Image 24 (Frame Number: 23012, Transit Time: 6:08:52)



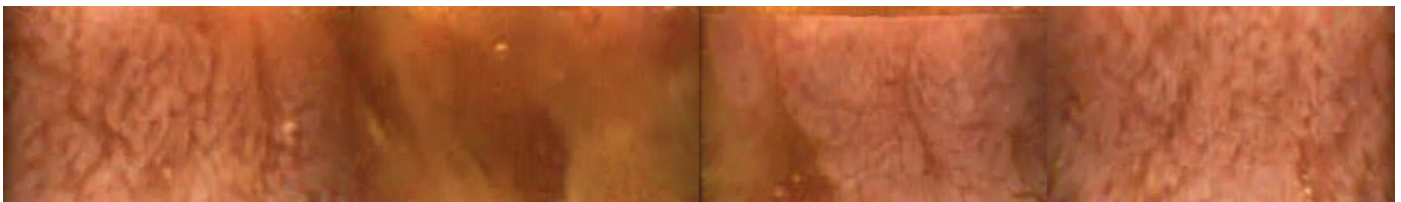
Linear erosions or ulcers with bleeding at pyloroduodenal junction

Image 25 (Frame Number: 23014, Transit Time: 6:08:53 (Small Bowel Time 0:00:00 (00%)))



First duodenal image

Image 26 (Frame Number: 23023, Transit Time: 6:09:00 (Small Bowel Time 0:00:07 (00%)))



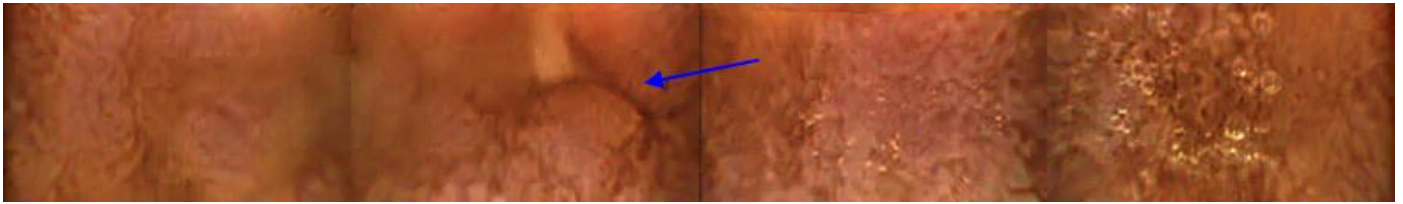
Irregular duodenal mucosa

Image 27 (Frame Number: 23093, Transit Time: 6:11:38 (Small Bowel Time 0:02:45 (03%)))



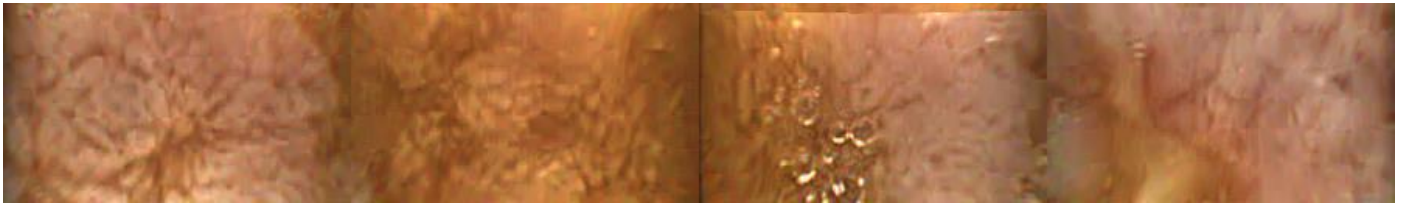
Suspect duodenal papilla

Image 28 (Frame Number: 23143, Transit Time: 6:13:24 (Small Bowel Time 0:04:31 (05%)))



Irregular duodenal mucosa with nodular area

Image 29 (Frame Number: 23148, Transit Time: 6:13:26 (Small Bowel Time 0:04:33 (06%)))



Irregular duodenal mucosa

Image 30 (Frame Number: 23194, Transit Time: 6:14:03 (Small Bowel Time 0:05:10 (08%)))



Suspect eroded mucosa surrounded by irregular/thickened mucosa

Image 31 (Frame Number: 23208, Transit Time: 6:14:14 (Small Bowel Time 0:05:21 (08%)))



Suspect eroded mucosa surrounded by irregular/thickened mucosa

Image 32 (Frame Number: 23209, Transit Time: 6:14:14 (Small Bowel Time 0:05:21 (08%)))



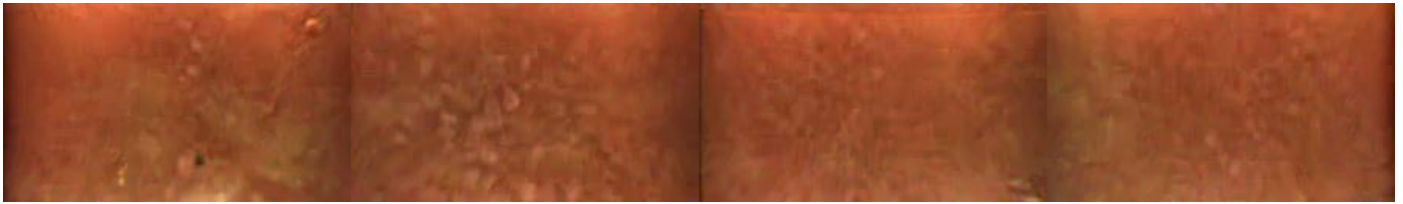
Scattered dilated lacteals

Image 33 (Frame Number: 23575, Transit Time: 6:46:09 (Small Bowel Time 0:37:16 (25%)))



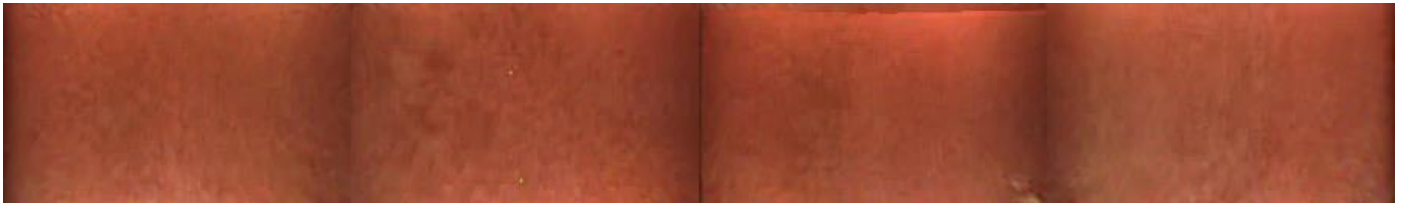
Irregular mucosa in likely jejunum

Image 34 (Frame Number: 24119, Transit Time: 7:07:21 (Small Bowel Time 0:58:28 (50%)))



Irregular mucosa in jejunum

Image 35 (Frame Number: 24939, Transit Time: 7:36:06 (Small Bowel Time 1:27:13 (87%)))



Irregular mucosa with erosions in ileum

Image 36 (Frame Number: 25202, Transit Time: 8:13:33 (Small Bowel Time 2:04:40))



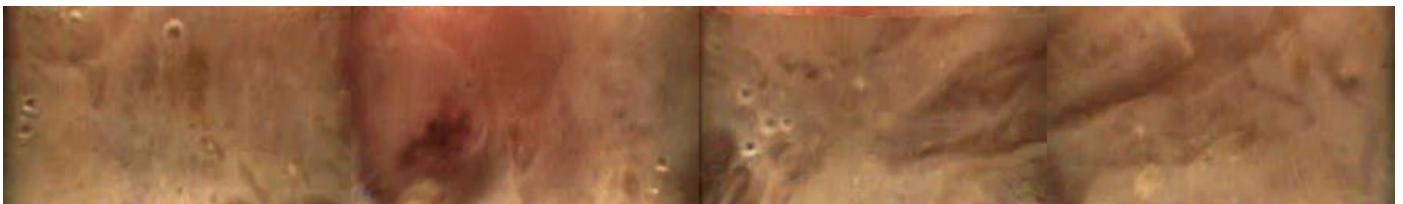
First colonic image

Image 37 (Frame Number: 25302, Transit Time: 9:03:36)



Colonic erosion

Image 38 (Frame Number: 25910, Transit Time: 9:59:19)



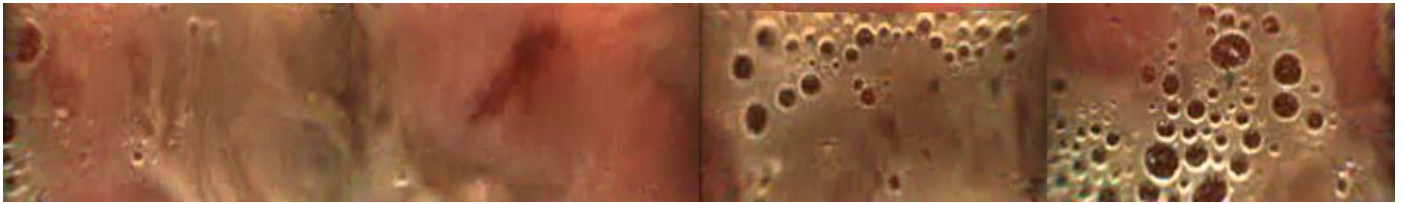
Irregular colonic mucosa with hematoma - suspect erosion or ulcer underneath

Image 39 (Frame Number: 26251, Transit Time: 10:19:14)



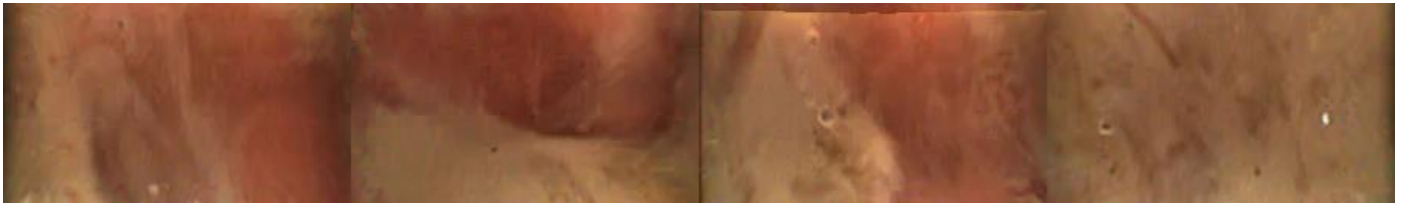
Colonic erosions

Image 40 (Frame Number: 26606, Transit Time: 10:31:33)



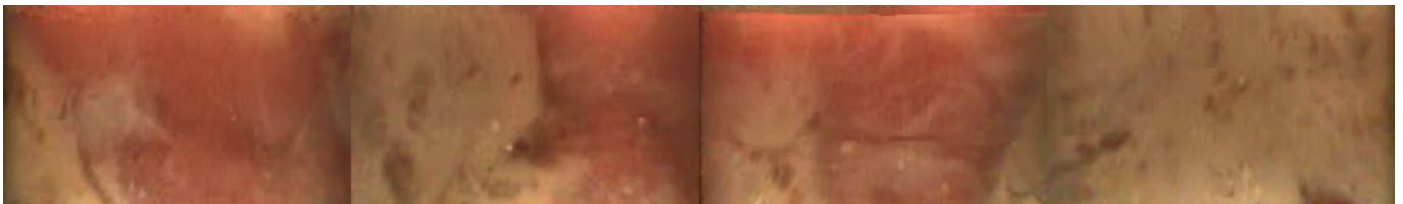
Irregular colonic mucosa with hematoma

Image 41 (Frame Number: 26854, Transit Time: 10:41:10)



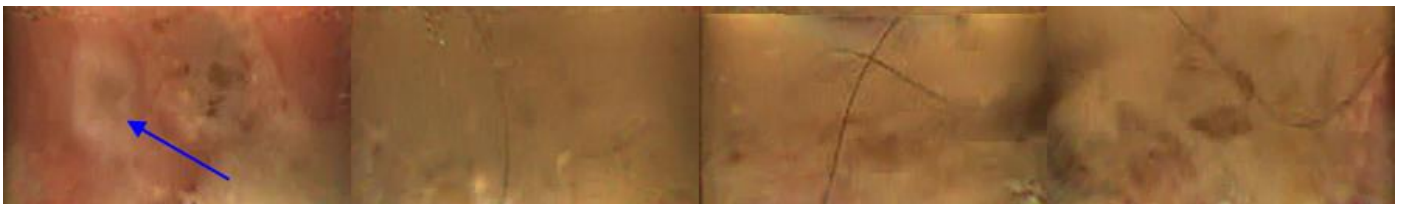
Colonic erosions

Image 42 (Frame Number: 27140, Transit Time: 11:02:05)



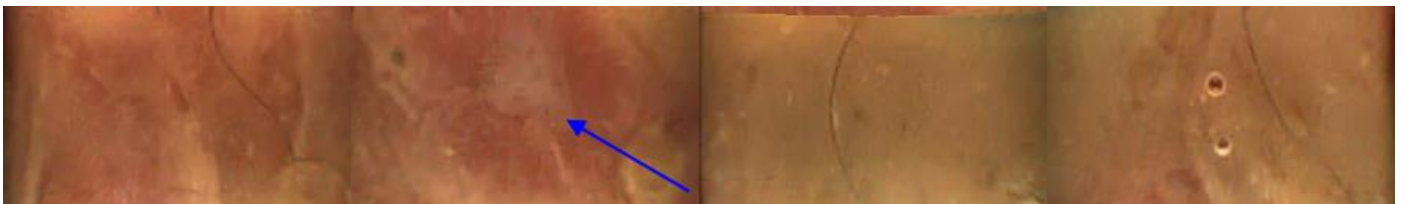
Irregular colonic mucosa with erosions

Image 43 (Frame Number: 28212, Transit Time: 12:33:40)



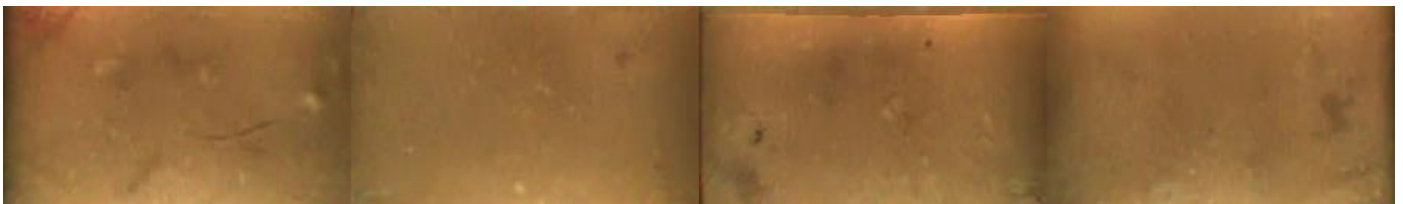
Pale round area on colonic mucosa

Image 44 (Frame Number: 28267, Transit Time: 12:35:12)



Pale round area on colonic mucosa

Image 45 (Frame Number: 28629, Transit Time: 12:54:52)



Last colonic image



Final frame

Finding Summary and Recommendations:

Findings:

The study consists of 28797 images in 13h50m58s of imaging time. The last colonic image (28629) is at 12h54m52s.

The esophagus and esophageal transit time are normal.

The gastric transit time is prolonged at 6 hours. The gastric mucosa has many areas with erosions, some of which are large. Several hematomas are seen, as well as a few nodular areas. In other areas, the mucosa is irregular, with a cobblestone appearance. At the pyloroduodenal junction, linear areas of erosion/ulceration and bleeding are seen.

The duodenal mucosa is diffusely irregular with a thickened appearance. On some frames, patches of mucosa are seen that look eroded with no villi surrounded by thickened/irregular mucosa that looks nodular. There are rare scattered dilated lacteals seen. The appearance of the mucosa remains irregular throughout the SI, but the severity of the changes lessens as the capsule passes through the SI.

The colonic mucosa is partially obscured by yellow mucoid feces, however, areas with erosion and suspect previous hemorrhage can be seen. The mucosa looks irregular in areas and pale round lesions can be seen in two areas.

Interpretation:

The findings in the stomach and duodenum are similar to the description of the findings seen during the gastroduodenoscopy in November, though the changes may be more severe. The mid-distal SI and colon were not examined at that time and cannot be compared.

Overall, the findings are most consistent with ongoing/persistent severe chronic inflammation, or diffuse GI neoplasia, such as lymphoma. The delayed gastric transit time is likely due to the underlying disease and is common in dogs with gastric bleeding.

Recommendations:

- 1) Consider repeating the biopsies (stomach, duodenum, colon +/- ileum) and submitting for histopathology, followed by other tests such as immunophenotyping, Ki67 index and PARR if histopathology is not definitive (see attached paper).
- 2) For gastroprotection, recommend switching from famotidine to omeprazole 1mg/kg PO q12h and adding sucralfate.
- 3) Consider adding a prokinetic, such as metoclopramide.
- 4) Continue ondansetron/dolasetron
- 5) If repeat biopsies will be pursued and the patient can tolerate it, consider stopping the cyclosporine and decreasing/stopping the prednisone until after the biopsies, as the patient does not appear to be responding to these medications at the current doses.
- 6) If further diagnostics are not pursued, recommend increasing the dose of prednisone, as the changes seen on this examination would not be expected to respond to budesonide. Since the cyclosporine does not appear to be working, consider changing to a different immunosuppressant, such as azathioprine.

Signature: _____

Jill Pomrantz

Date: 2/17/2016

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