SURGICAL PATHOLOGY REPORT [SYNTHETIC]

ACCESSION #: UC-2025-29627
DATE OF PROCEDURE: 04/13/2025
DATE OF REPORT: 04/15/2025
REQUESTING PHYSICIAN: Dr. Christopher Lopez, Gastroenterology
PATHOLOGIST: Dr. Mary Kennedy, Anatomic Pathology

CLINICAL HISTORY:

26 year old male with 2 week history of bloody diarrhea, abdominal pain, and urgency. Colonoscopy showed severe ulceration and spontaneous bleeding from rectum to descending colon. Clinical suspicion for ulcerative colitis.

SPECIMEN RECEIVED:

A. Rectum, biopsy

B. Sigmoid colon, biopsy

C. Descending colon, biopsy

D. Transverse colon, biopsy

E. Ascending colon, biopsy

F. Terminal ileum, biopsy

GROSS DESCRIPTION:

A. Received in formalin labeled "rectum" are 6 tan-pink tissue fragments measuring 3 mm in aggregate.

B. Received in formalin labeled "sigmoid colon" are 4 tan-pink tissue fragments measuring 4 mm in aggregate.

C. Received in formalin labeled "descending colon" are 3 tan-pink tissue fragments measuring 7 mm in aggregate.

D. Received in formalin labeled "transverse colon" are 6 tan-pink tissue fragments measuring 6 mm in aggregate.

E. Received in formalin labeled "ascending colon" are 5 tan-pink tissue fragments measuring 2 mm in aggregate.

F. Received in formalin labeled "terminal ileum" are 6 tan-pink tissue fragments measuring 3 mm in aggregate.

All specimens are entirely submitted in 5 cassette(s).

MICROSCOPIC DESCRIPTION:

A. Rectal mucosa shows fulminant active chronic inflammation with crypt architectural distortion, lamina propria plasma cells, and basal plasmacytosis. The inflammatory process is limited to the mucosa without evidence of granulomas. Occasional apoptotic bodies are present in crypts.

B. Sigmoid colonic mucosa shows moderate to severe active chronic inflammation with severe cryptitis, crypt architectural distortion, and Paneth cell metaplasia. The inflammatory process is limited to the mucosa without evidence of granulomas. Marked decrease in goblet cell population.

C. Descending colonic mucosa shows mild to moderate active chronic inflammation with marked crypt architectural distortion, numerous crypt abscesses, and complete goblet cell depletion. The inflammatory process is limited to the mucosa without evidence of granulomas. Marked decrease in goblet cell population.

D. Transverse colonic mucosa shows mild active chronic inflammation with crypt architectural distortion and crypt abscesses. No evidence of dysplasia is identified. Areas of crypt dropout and lamina propria fibrosis are present, suggesting chronicity and possible treatment effect.

E. Ascending colonic mucosa shows mild active chronic inflammation with crypt architectural distortion and crypt abscesses. Occasional Paneth cell metaplasia is noted.

F. Terminal ileal mucosa shows no significant pathologic abnormality. No evidence of chronic inflammatory bowel disease identified in this section.

DIAGNOSIS:

A. Rectum, biopsy:

- fulminant active chronic colitis with crypt architectural distortion and goblet cell depletion
- Changes consistent with chronicity and treatment effect
- fulminant consistent with ulcerative colitis
- No dysplasia identified

- No evidence of cytomegalovirus (CMV) infection

B. Sigmoid colon, biopsy:

- moderate to severe active chronic colitis with crypt architectural distortion and goblet cell depletion
- moderate to severe consistent with ulcerative colitis
- No dysplasia identified

C-E. Descending, transverse, and ascending colon, biopsies:

- mild to moderate active chronic colitis with crypt architectural distortion
- Features consistent with ulcerative colitis
- No dysplasia identified

F. Terminal ileum, biopsy:

- Mild non-specific inflammation
- No evidence of inflammatory bowel disease

COMMENT:

The histologic findings show a pattern of continuous chronic active colitis with greatest severity in the distal colon and rectum, with relative sparing of the proximal colon. The absence of granulomas, transmural inflammation, and terminal ileal involvement are features favoring ulcerative colitis over Crohn's disease. Correlation with clinical, endoscopic, and radiologic findings is recommended for definitive classification. Clinical correlation and follow-up biopsies are recommended to monitor disease activity and treatment response. Histologic features suggesting chronicity and treatment effect are present. Correlation with treatment history is recommended.

SPECIAL STUDIES:

Grocott's methenamine silver (GMS) stain is negative for fungal organisms.

This is a synthetic educational pathology report created for AI training purposes. It does not represent a real patient case.