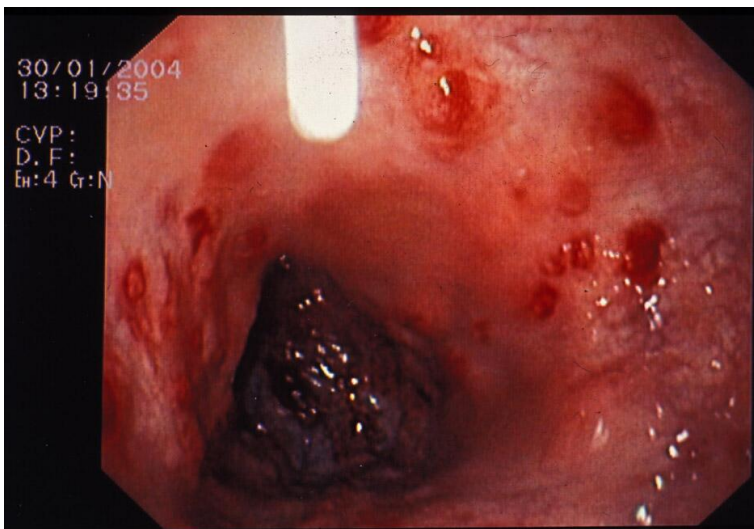


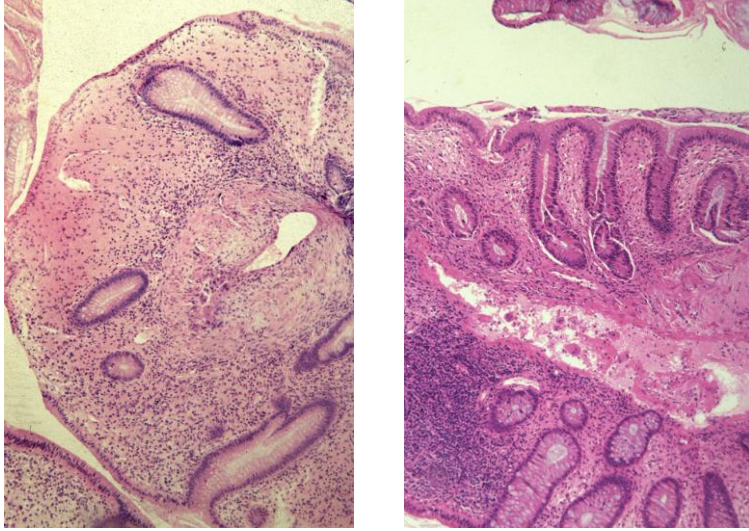
Case History B-1327885

- *Male patient* °1939
- *Clinical History*
 - *Prostatectomy 2000; low-grade PIN*
 - *Present complaints : difficult defecation; changes in bowel habits*
- *Endoscopy : from 15-35 cm nodular mucosa with oedema and erosions : colitis! Etiology?*

Endoscopy B-1327885



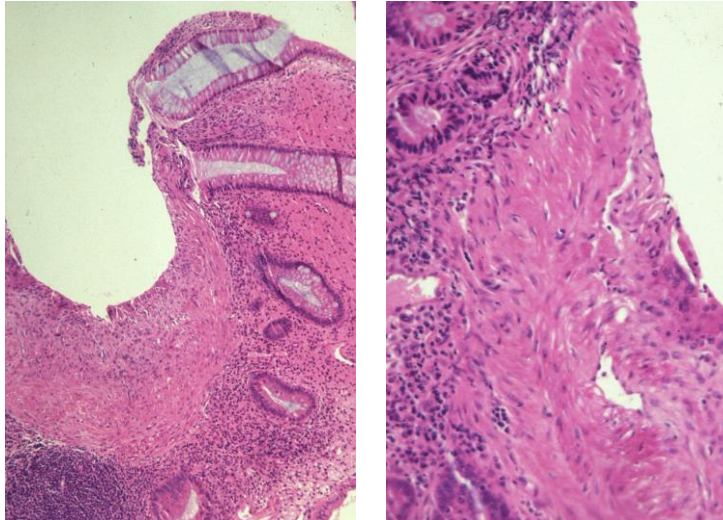
Pathology B-1327885



B-1327885 Mucosal abnormalities



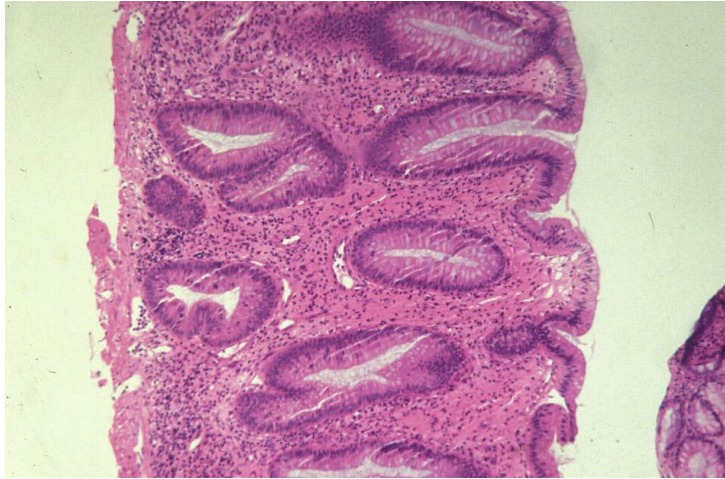
Pathology B-1327885



What is your diagnosis?

- Normal
- Pneumatosis coli
- Pneumatosis coli and IBD?

Pneumatosis and IBD? Mucosal abnormalities!



Diagnosis B-1327885

Pneumatosis coli

- **Pneumatosis coli in ulcerative colitis?**
 - Follow up : uneventfull
 - Mild architectural distortion of the overlying mucosa was seen in 11/13 and 10/10 cases in 2 studies involving adult patients
 - Suarez V, et al. Arch Pathol Lab Med 1989; 113:898
 - Pieterse AS, et al. Hum Pathol 1985; 16: 683
 - Cryptitis, crypt abscesses, crypt dilatation and rupture have been reported.

B-1327885 – Pneumatosis Coli

(Pneumatosis intestinalis – interstitial emphysema)

- **Uncommon condition characterized by submucosal and/or subserosal gas cysts**
 - 10- 36 % of cases : colon alone (in 70% of these cases mainly left-sided)
- **In approximately 85% of cases it is a manifestation of an underlying systemic of GI disease**

B-1327885 – Pneumatosis Coli

- **Major Systemic conditions associated with**
 - Chronic pulmonary disease
 - Chronic hearth disease
 - Sclerodermia
 - Leukemia
- **GI conditions associated with**
 - Pyloric stenosis
 - Cholelithiasis

B-1327885 – Pneumatosis Coli & IBD

Pneumatosis and ulcerative colitis : rare – in adults in patients with severe disease and focally necrotic colon

- Solomon A, et al. Computed tomography demonstration of intramural colonic air (pneumatosis coli) as a feature of severe ulcerative colitis. *Gastrointest Radiol* 1987; 12: 169-71
- David O, & Jakate S. Pneumatosis intestinalis in a 6-year-old girl with ulcerative colitis. *Arch Pathol Lab Med* 1999; 123: 354-7

B-1327885 – Pneumatosis Coli & IBD

Association with Crohn's disease : rare

- Ghahremani G, et al. Pneumatosis coli in Crohn's disease. *Dig Dis* 1974; 19: 315-23
- Rienhoff WF III, & Collins NP. Pneumatosis cystoides intestinalis and regional enteritis. *Ann Surg* 1959; 159: 593-9

Pneumatosis may mimic IBD

- Pieterse AS, et al. The mucosal changes and pathogenesis of pneumatosis cystoides intestinalis. *Hum Pathol* 1985; 16: 683-8

Pneumatosis and ulcerative colitis