

**GNT Block
2018
Pathology Practical**

Digestive system block- Practical 2

Large intestine

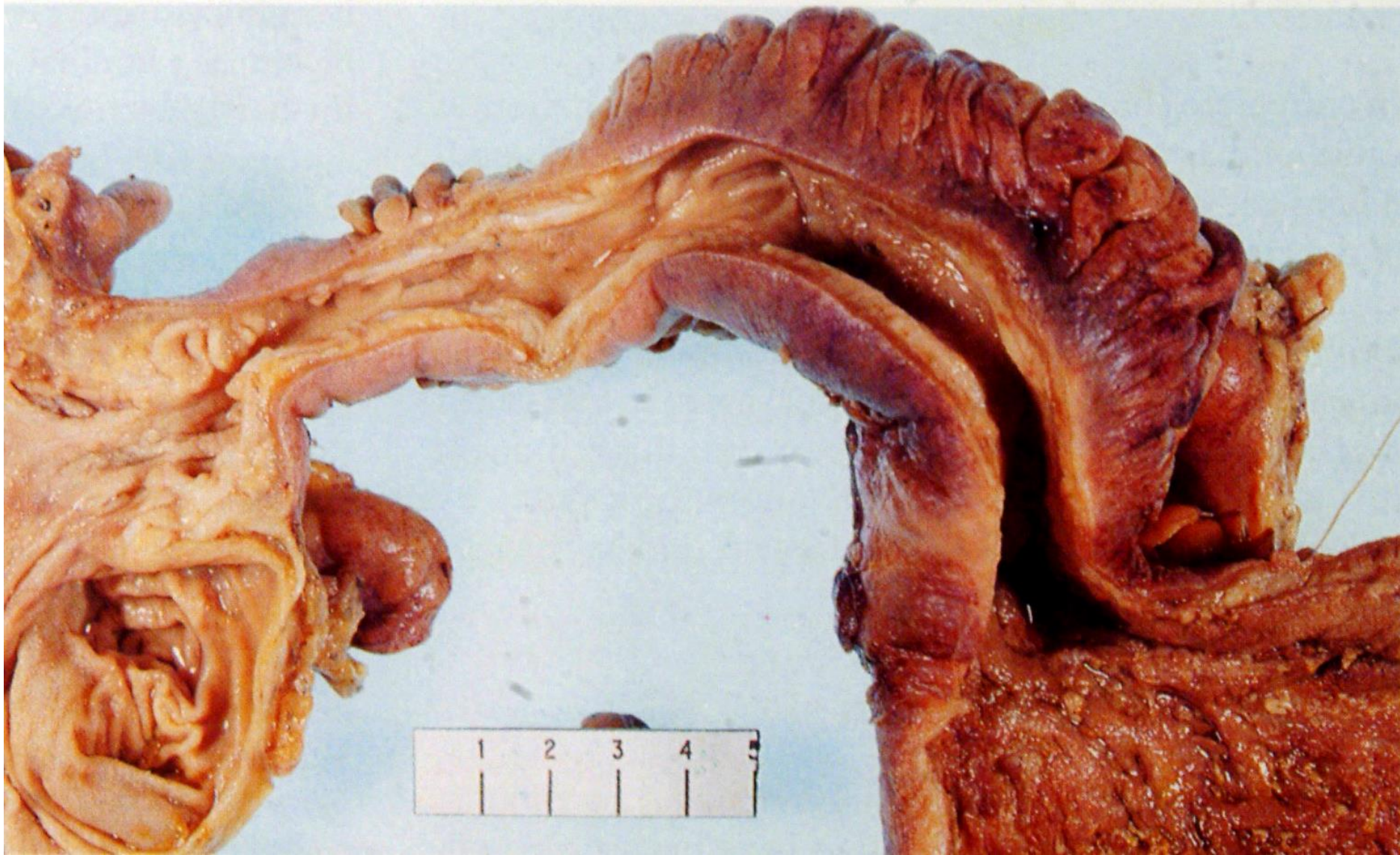
Gross and histopathology

Crohn's disease





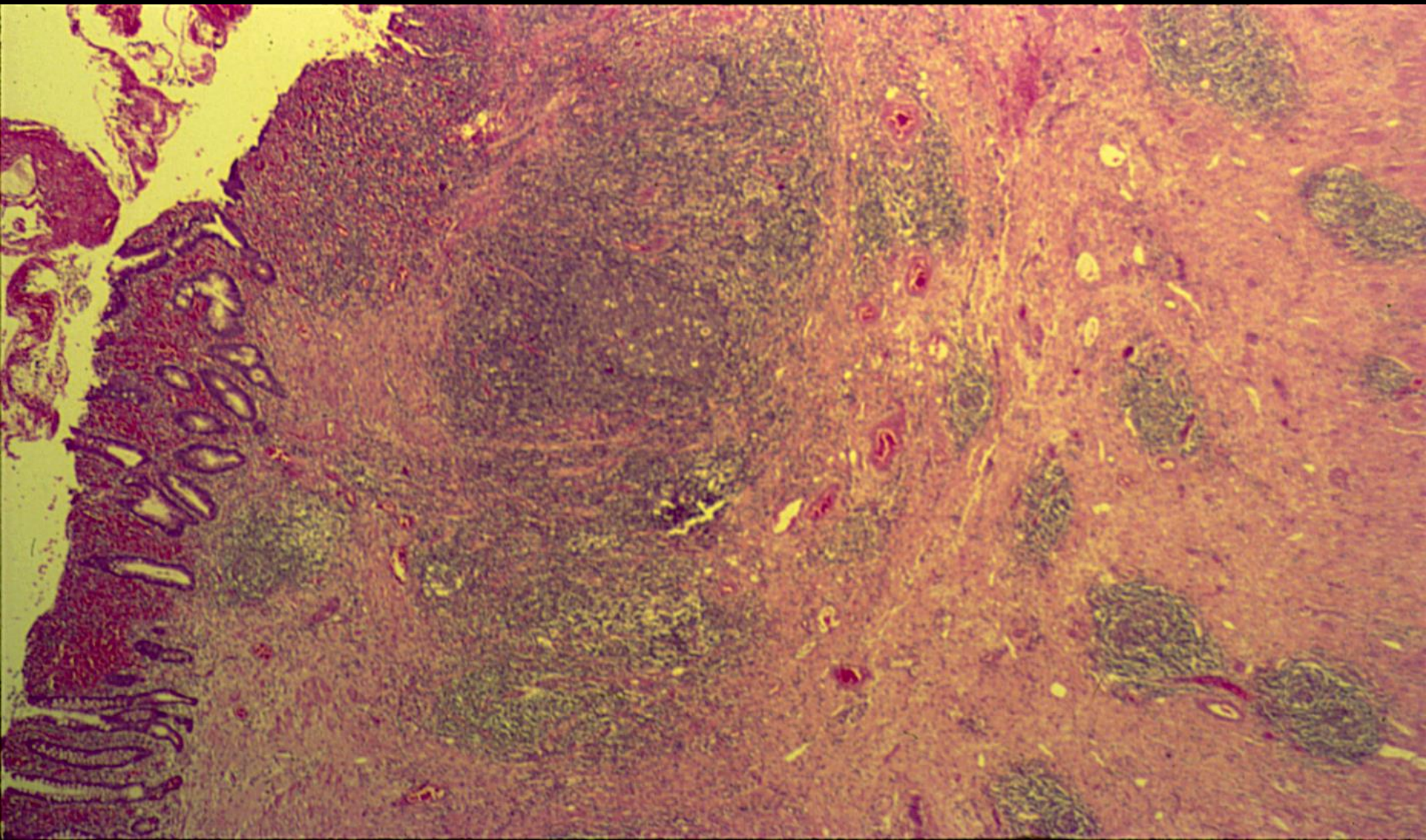
Crohn,'s disease
Linear mucosal ulcers and
thickened intestinal wall.

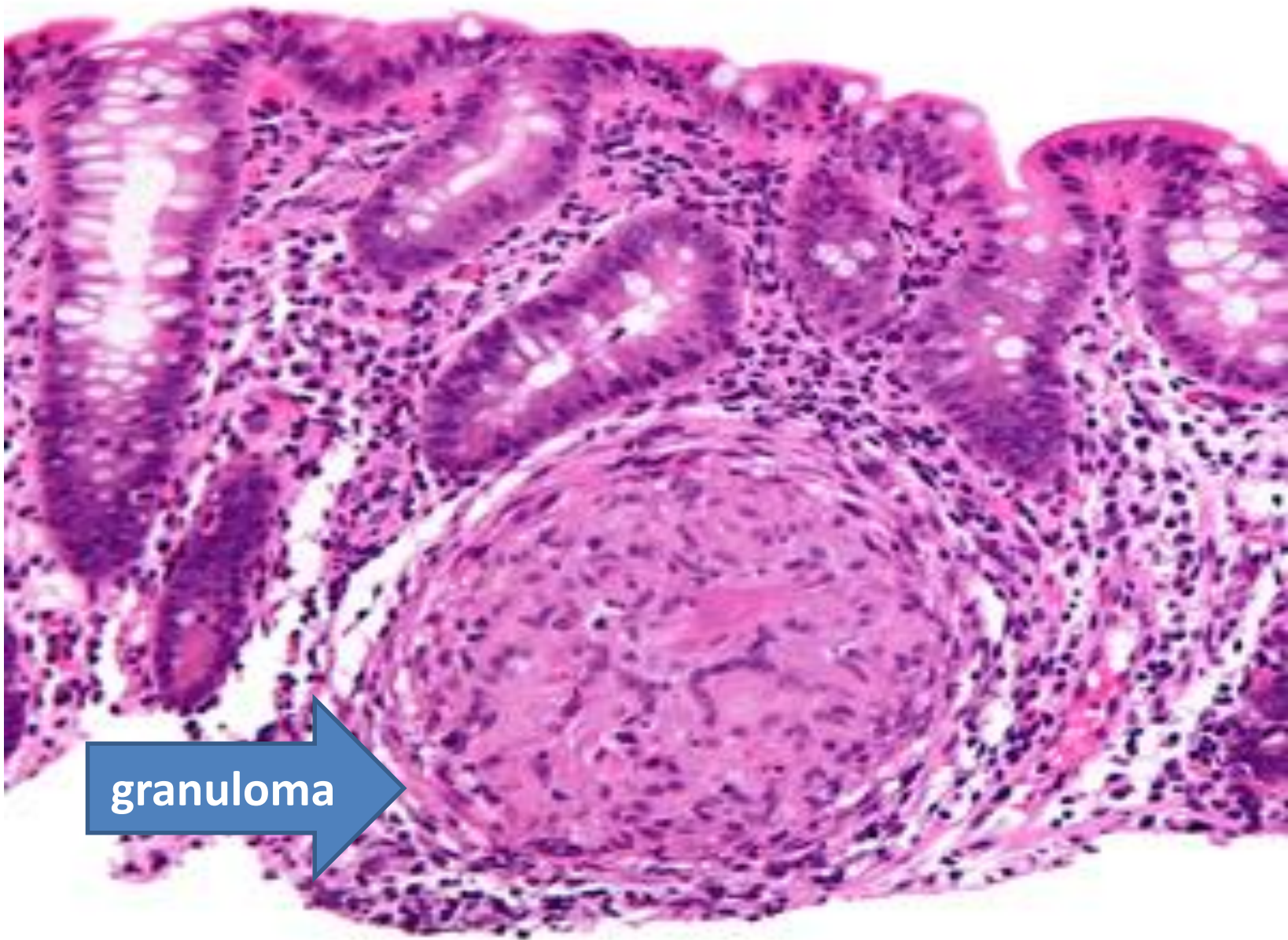


Crohns disease
alternating normal and ulcerating mucosa

CROHN'S DISEASE (LARGE BOWEL)

transmural chronic inflammatory cell infiltrate, lymphoid aggregates and mild fibrosis.





granuloma

Crohn's disease of the intestine:

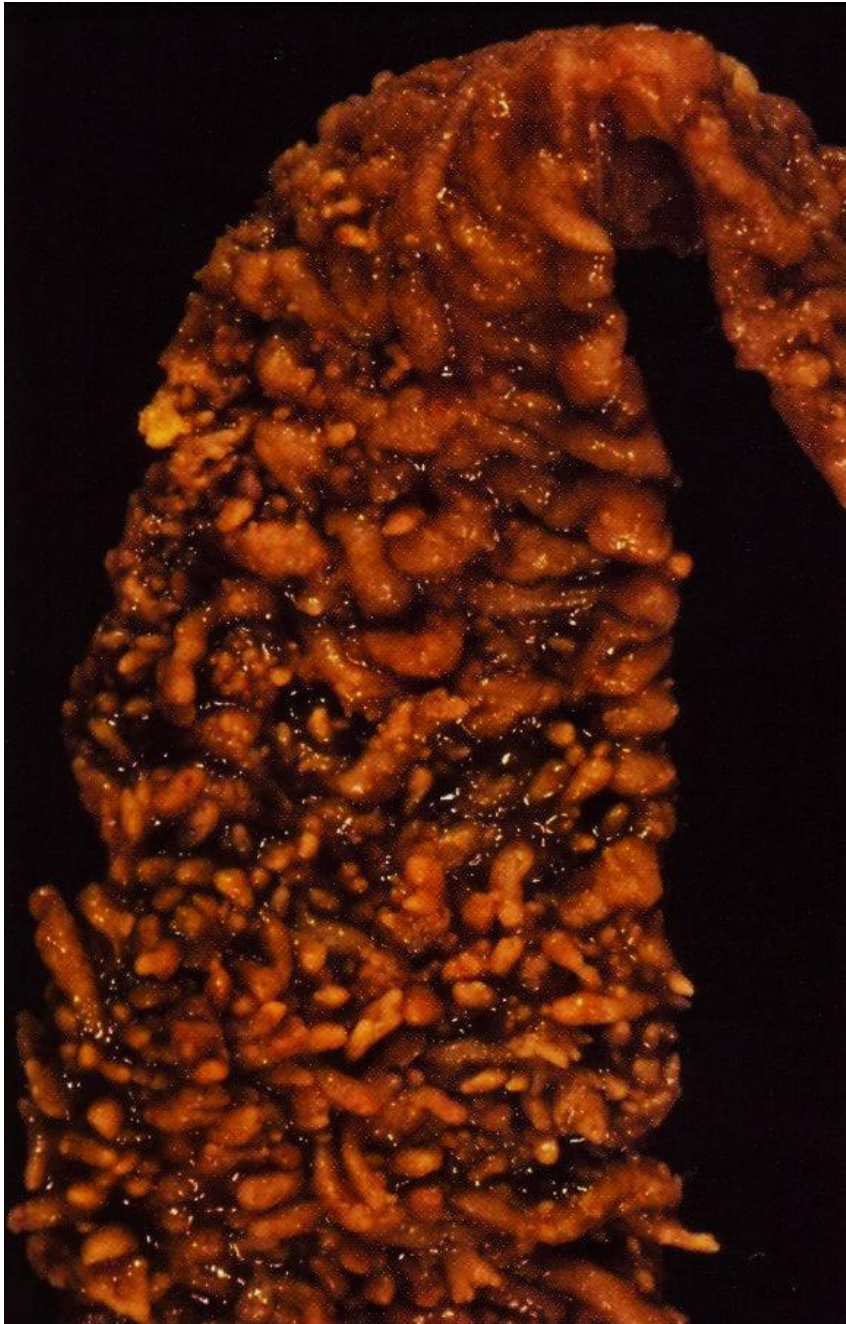
Section of large bowel shows alternating normal and ulcerating mucosa:

- + All layers of intestinal wall show transmural chronic inflammatory cell infiltrate, lymphoid aggregates and mild fibrosis.**
- + Subserosa contains few epithelioid granulomas.**

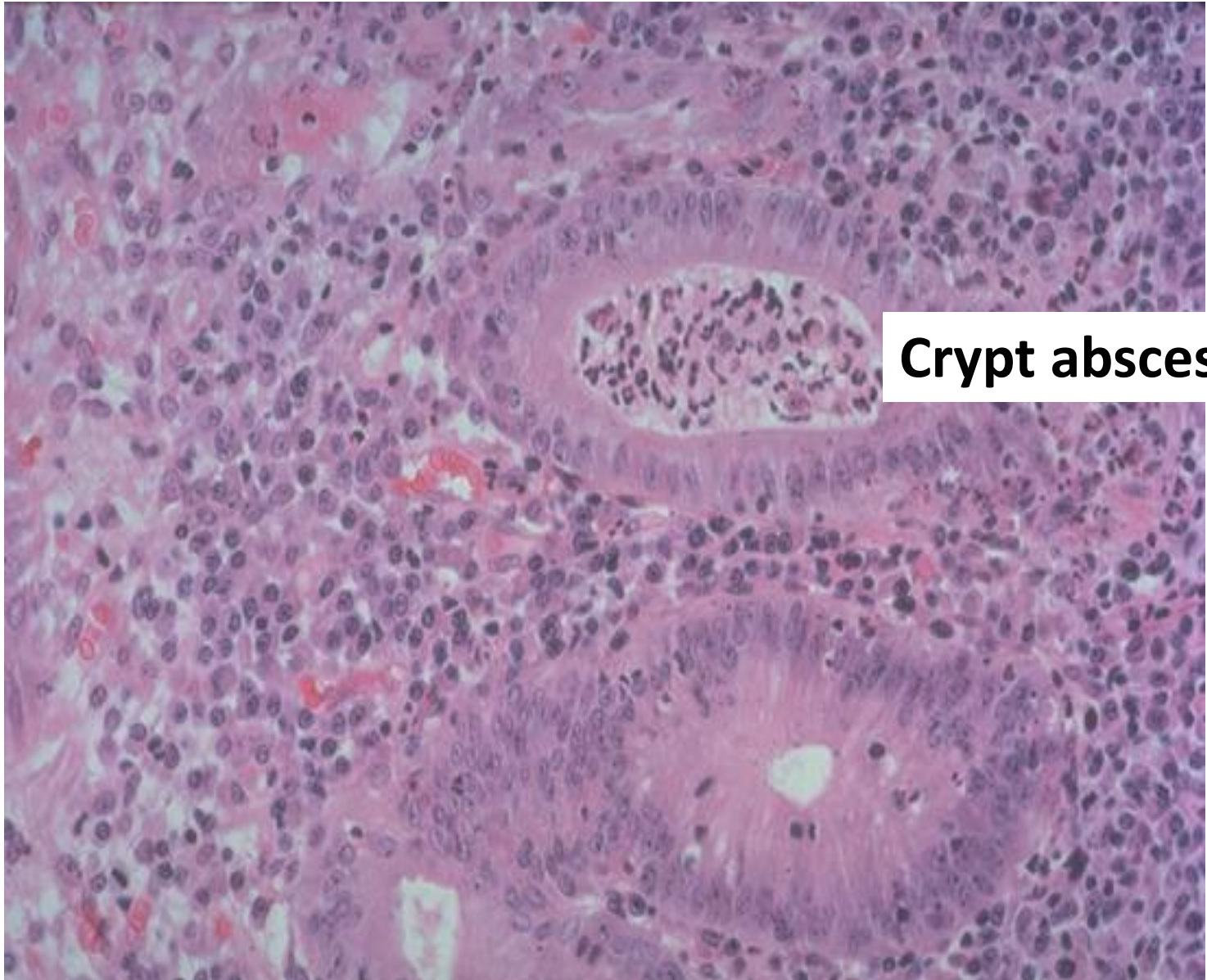
Ulcerative colitis



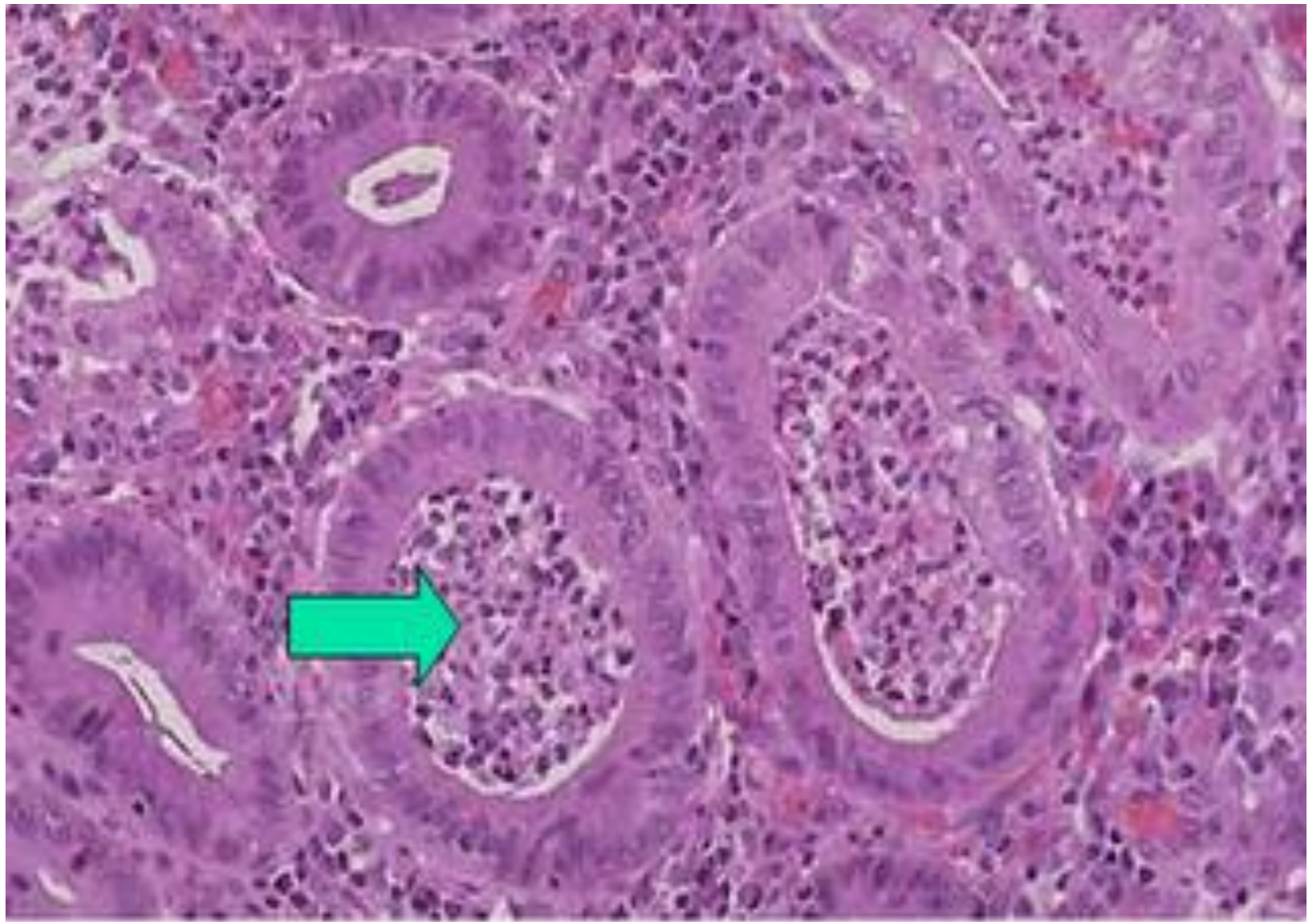
The entire colon is abnormal, and the usual transverse rugal folds have been almost completely effaced.



Inflammatory pseudopolyp



Crypt abscess



Ulcerative colitis:

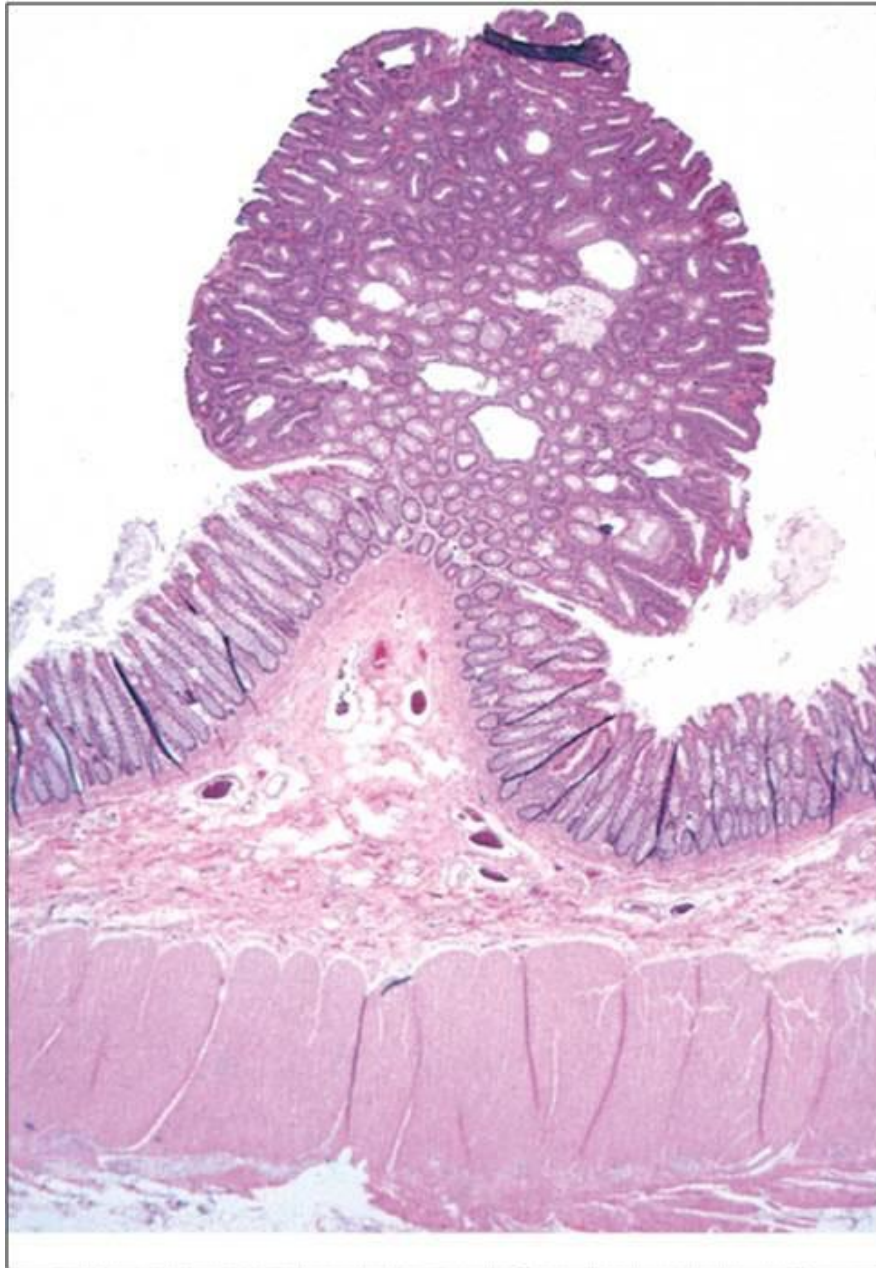
Section of large bowel wall show a few relatively superficial ulcers lined by acute inflammatory exudate. Marked oedema and vascular congestion are seen in lamina propria.

- ✚ The mucosa adjacent to the ulcers contains several crypt abscesses and there is evidence of goblet cells depletion in many glands.***
- ✚ No granulomas or glandular dysplasia are noted.***

Adenomatous polyp of rectum / colon

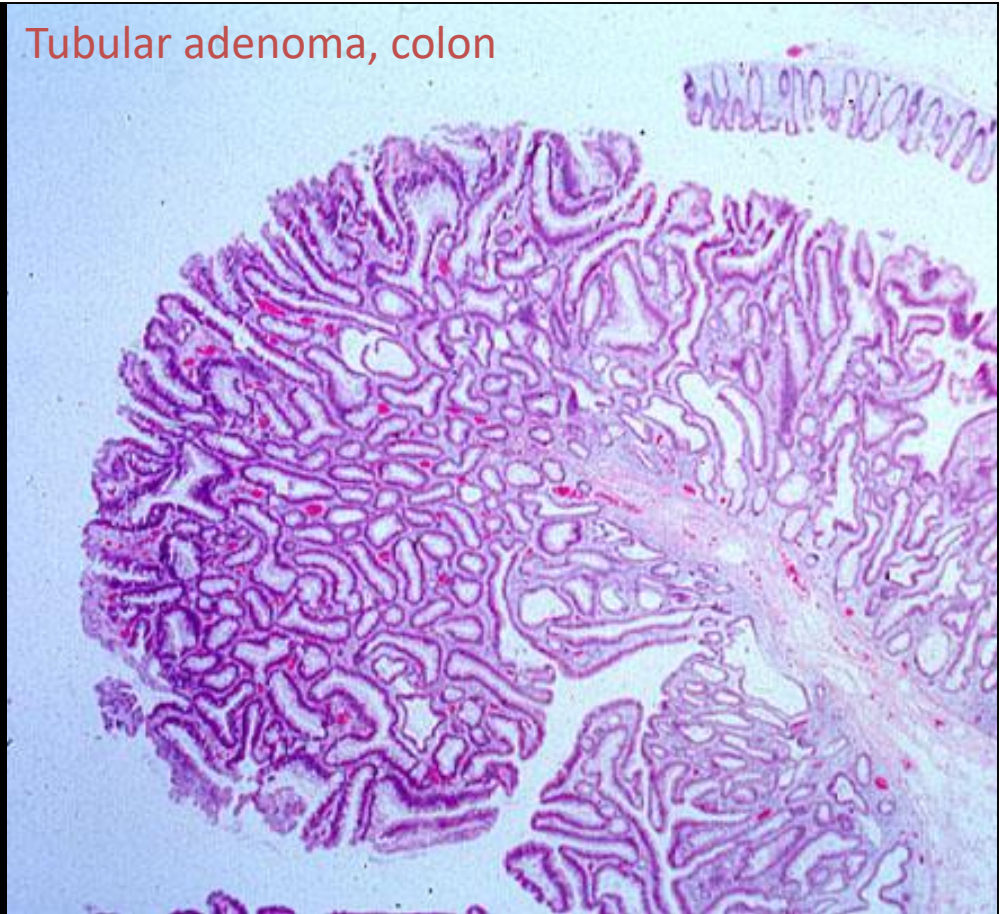


Organ: Colon Dx: adenoma

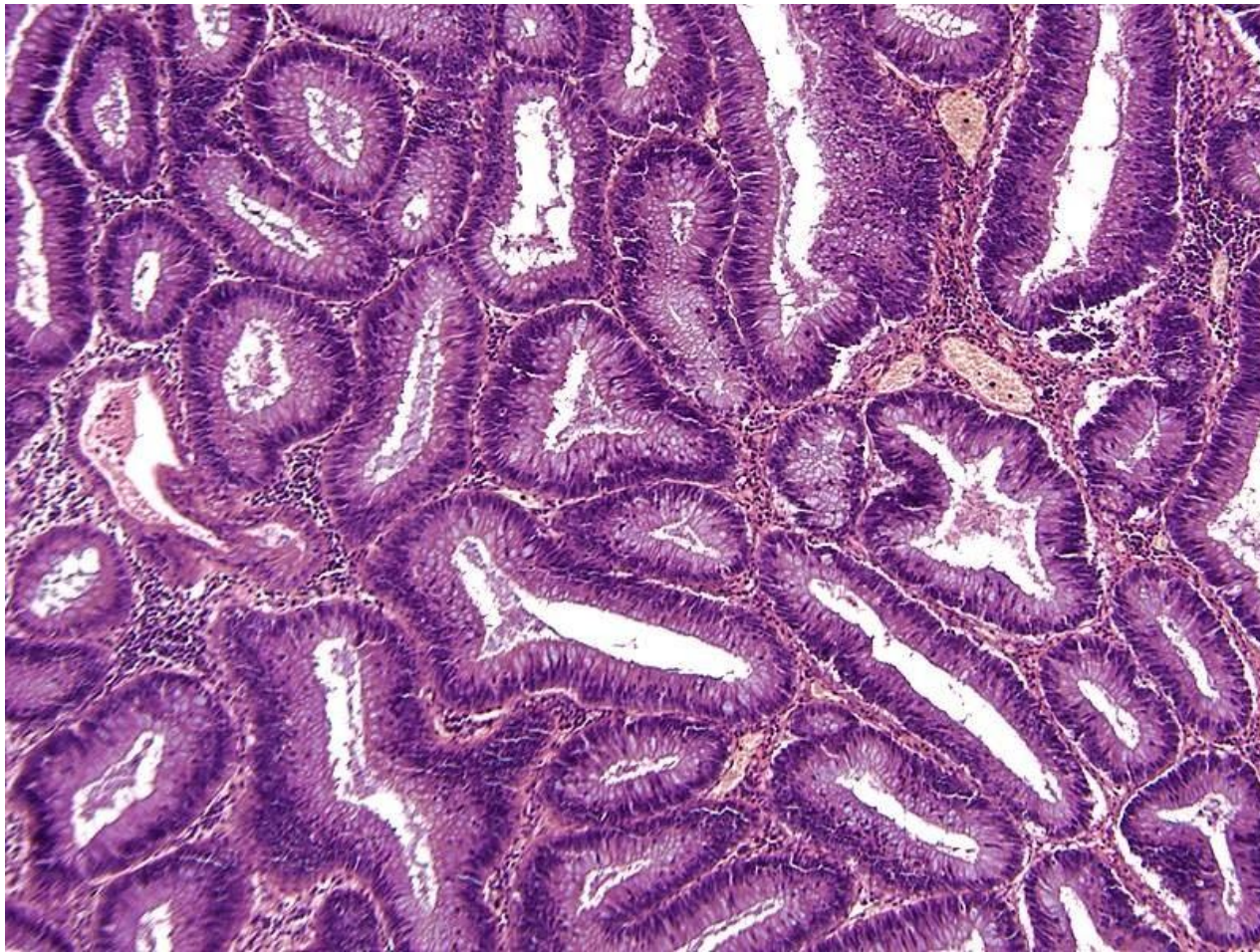


Colonic polyp.

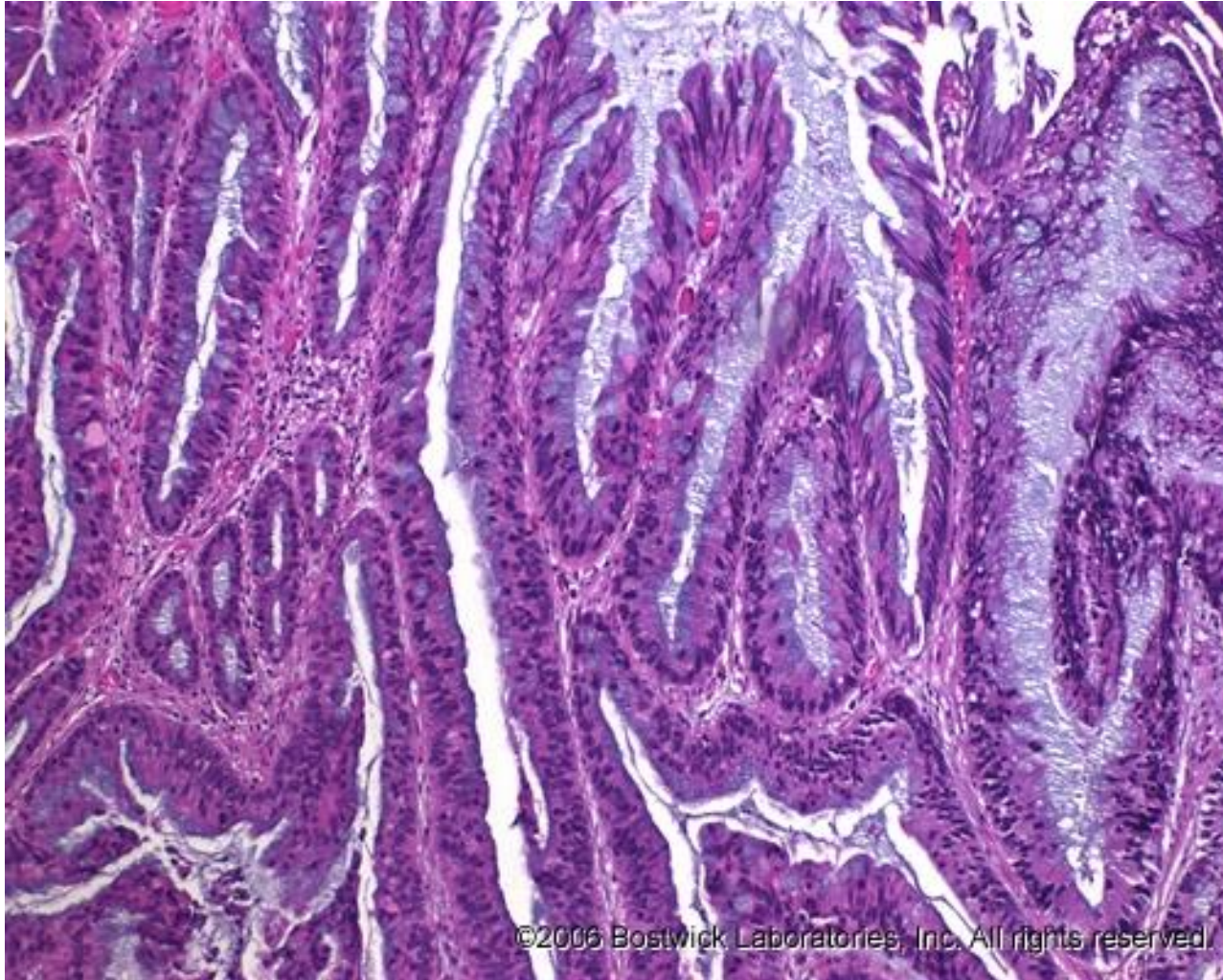
Tubular adenoma, colon



ADENOMATOUS POLYP (TUBULAR)



ADENOMATOUS POLYP (VILLOUS)



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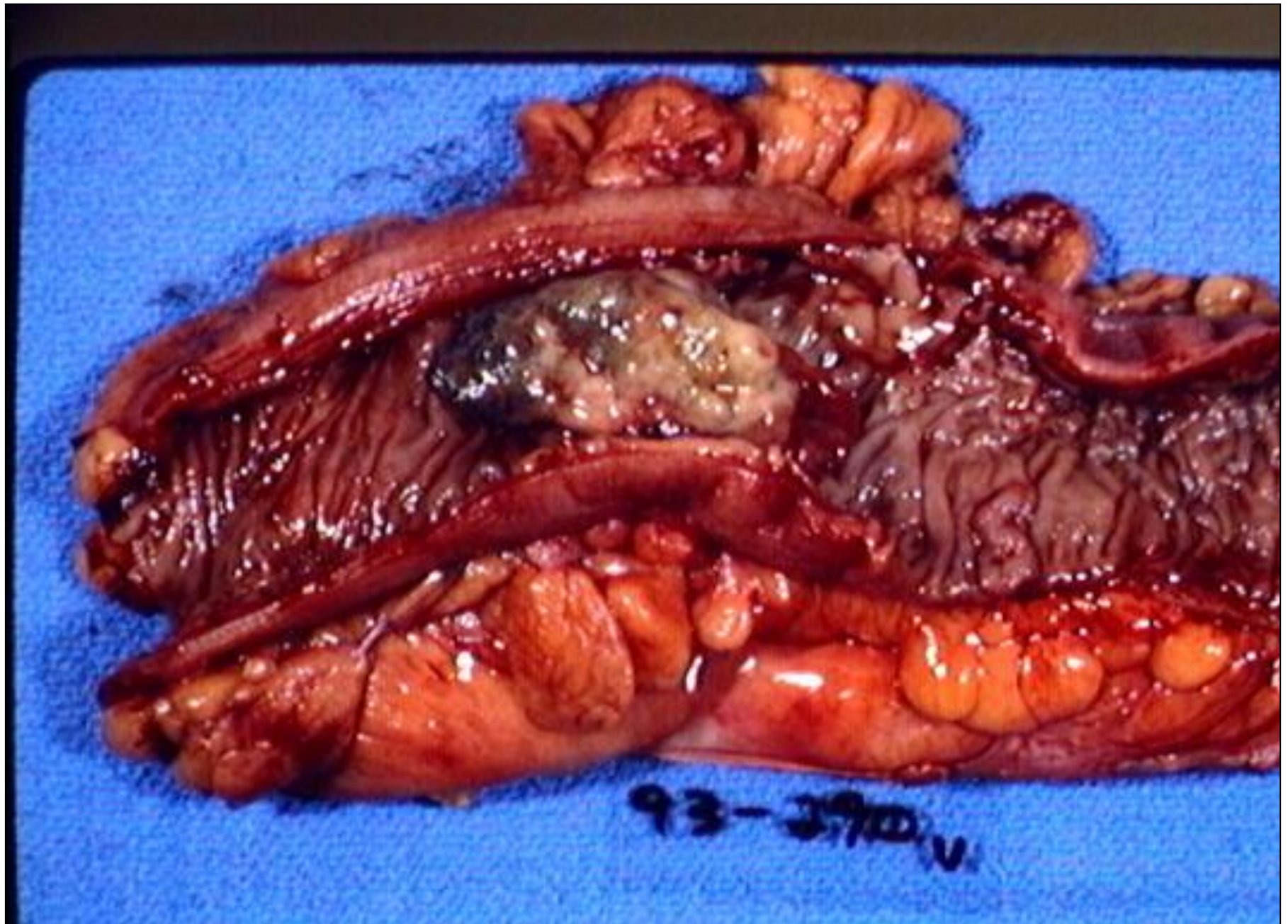
familial adenomatous polyposis



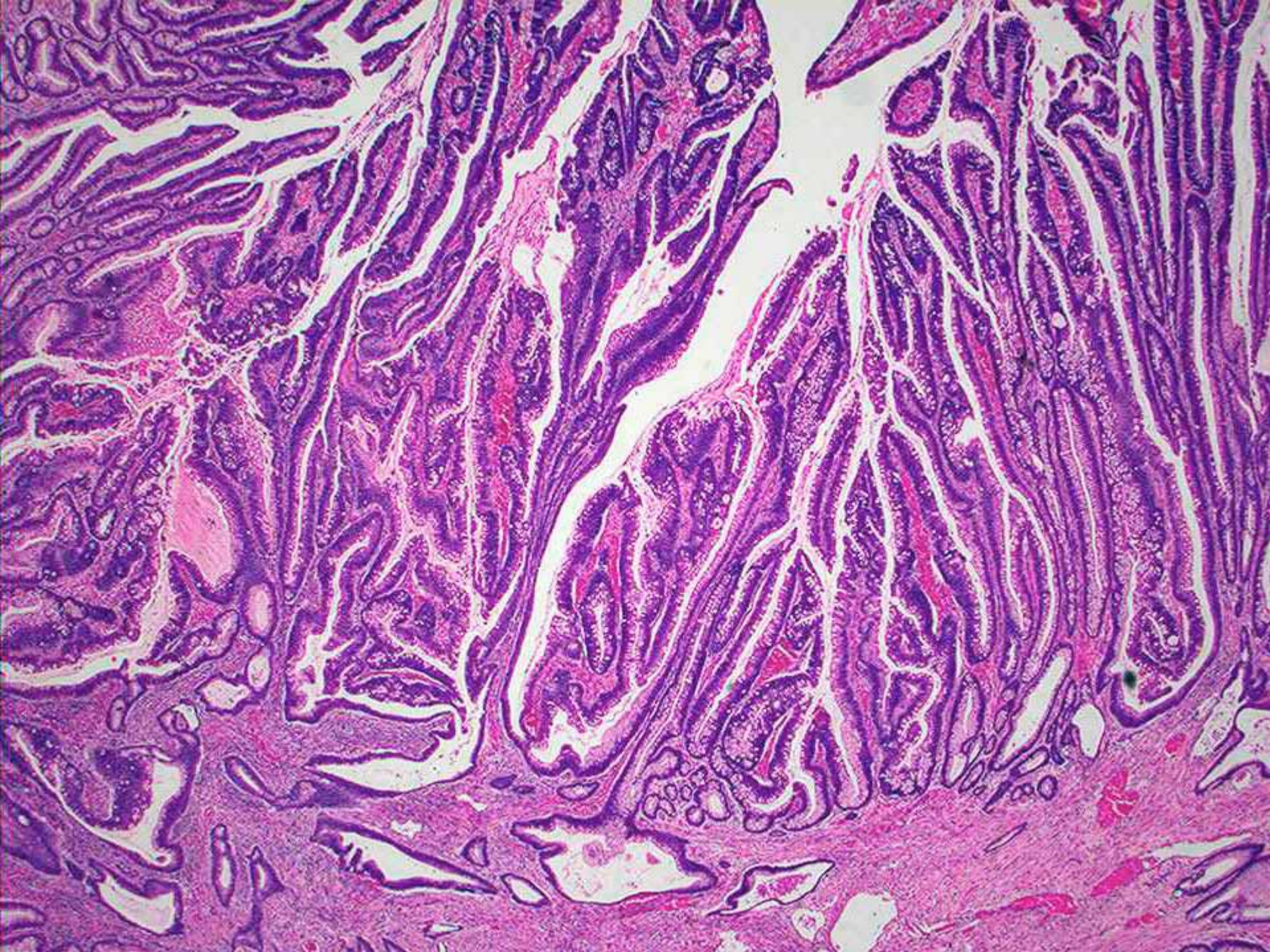
Colon carcinoma

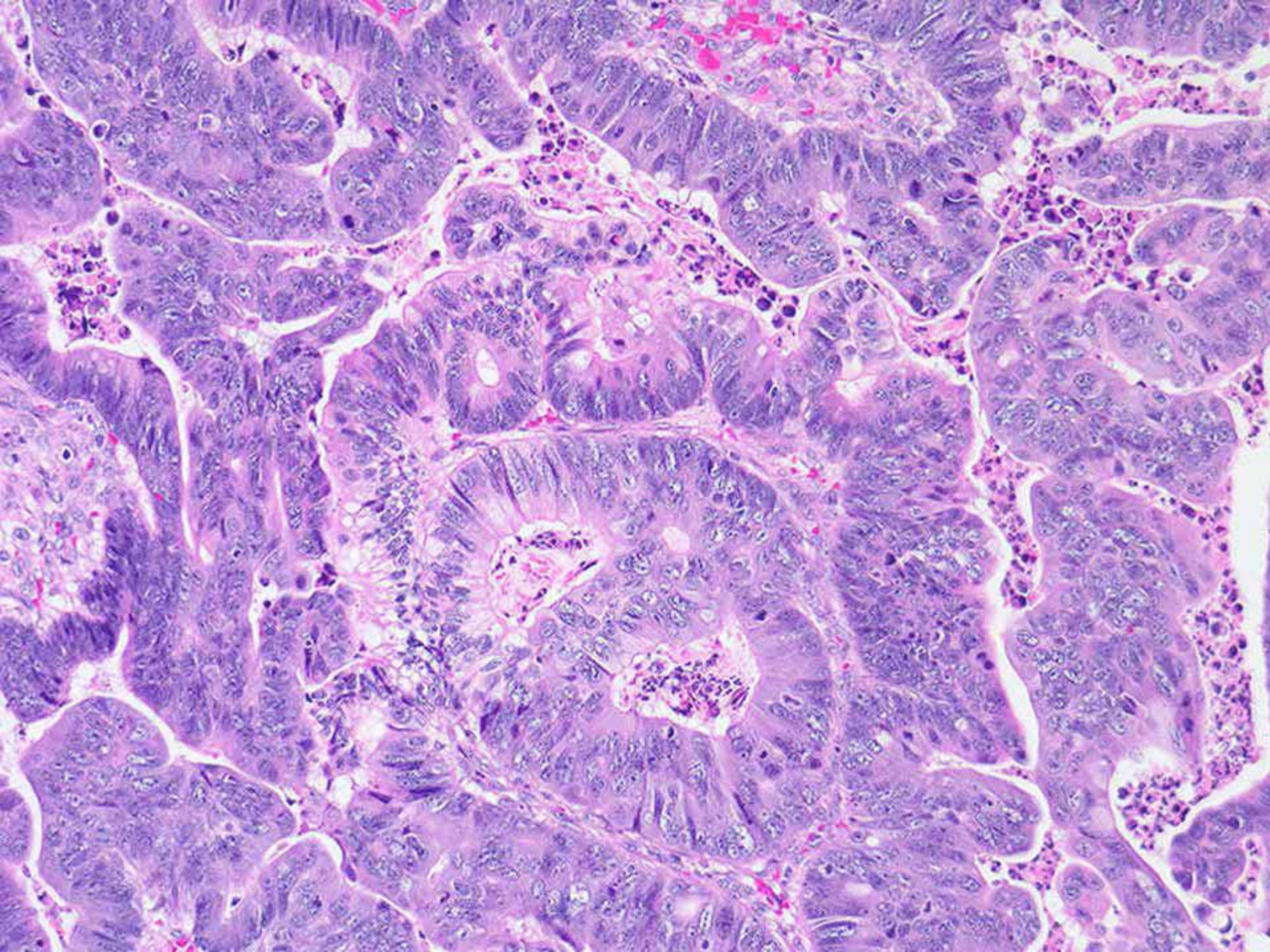


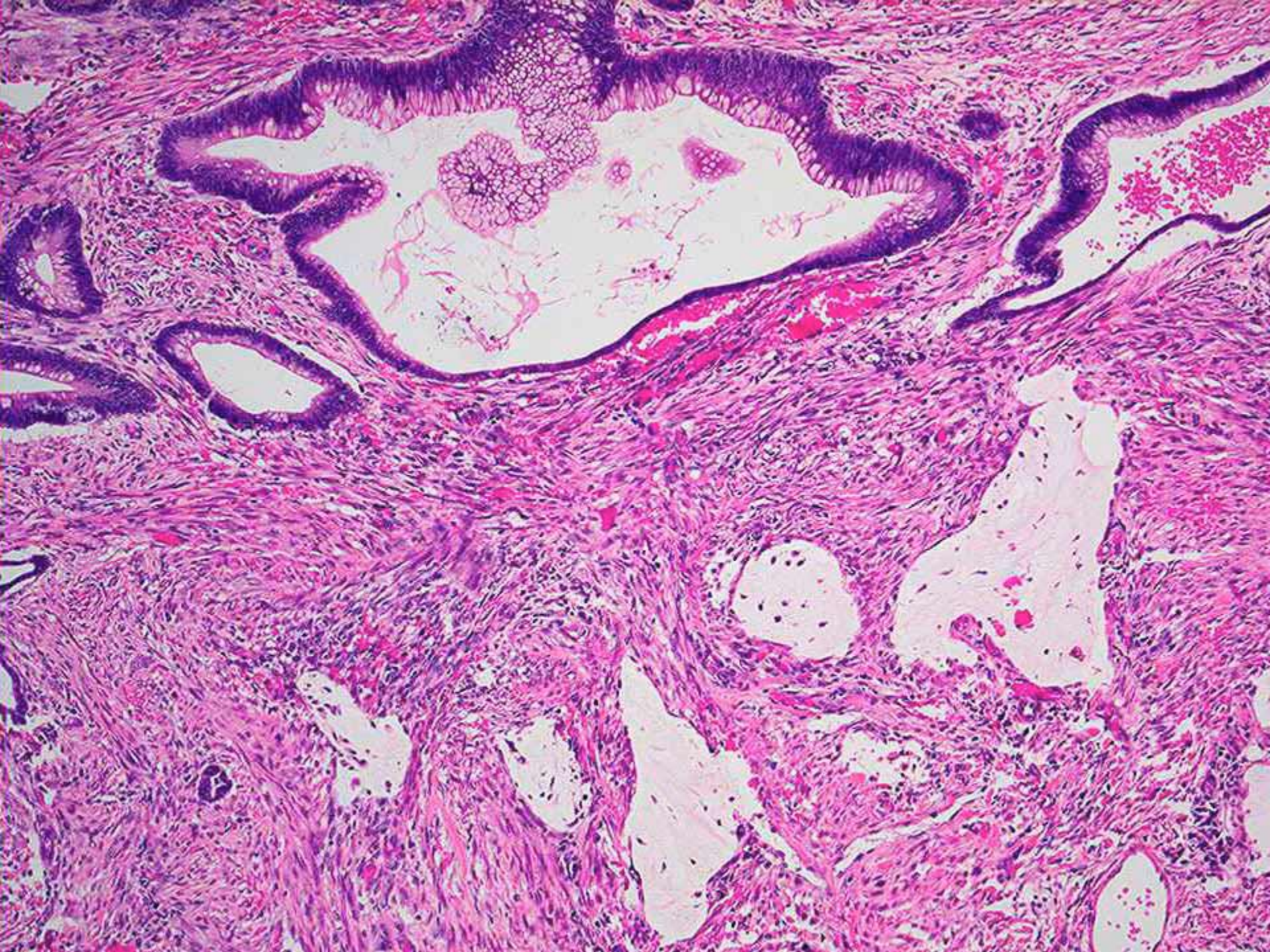
Organ: Colon Dx: adenocarcinoma



93-370 v







Adenocarcinoma of the large intestine:

Section of large intestine shows:

A tumour mass at one end, and a normal mucosa on the other side:

- + Tumour consists of crowded irregular malignant acini separated by thin fibrovascular stroma.**
- + The acini are lined by one or several layers of neoplastic cells with papillary projection showing pleomorphism, hyperchromatism and few mitoses.**
- + Muscle coat is invaded by neoplastic glands.**