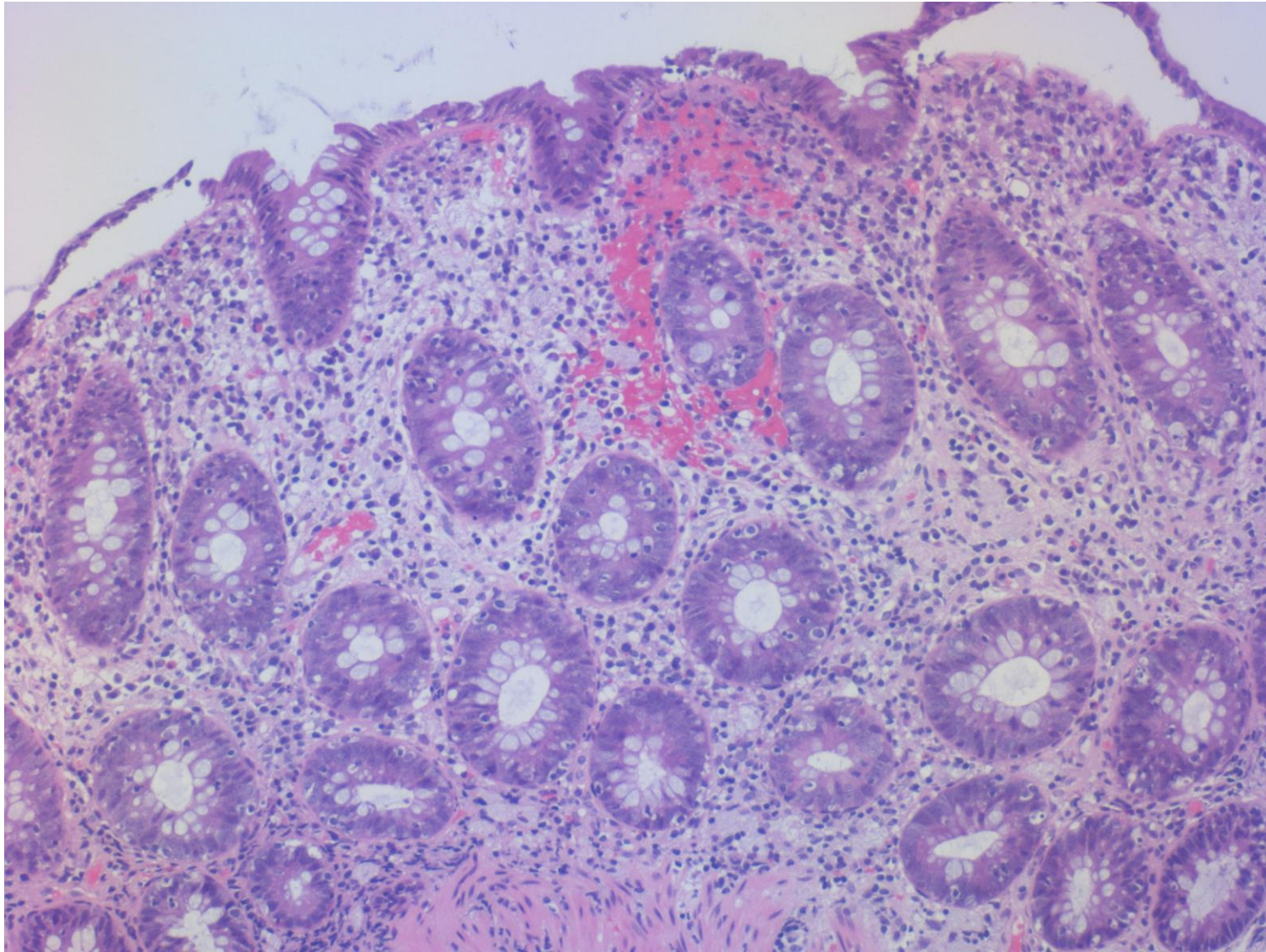


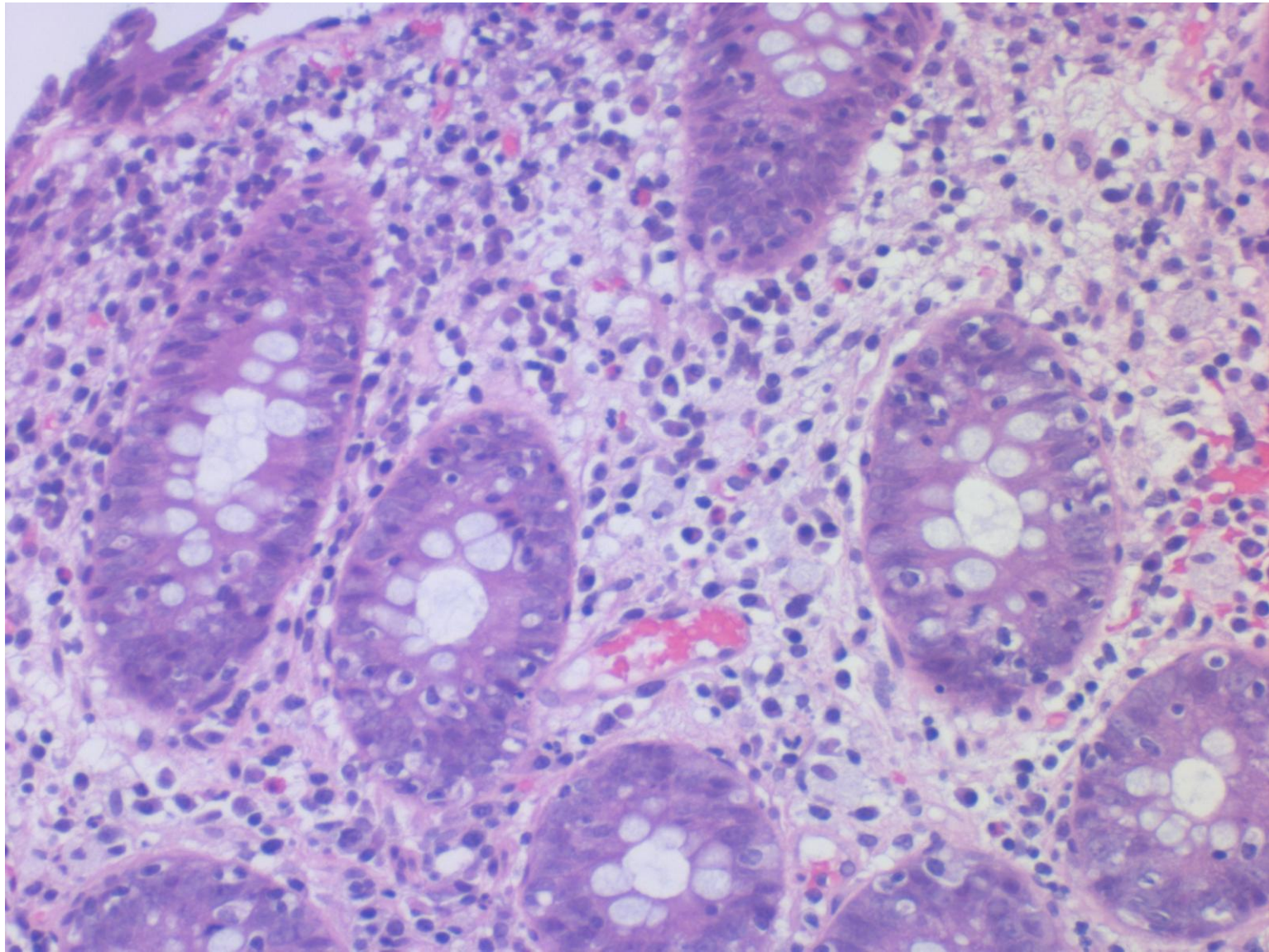
Lymphocytic colitis

Lymphocytic colitis is a subtype of microscopic colitis, causing chronic non-bloody diarrhea in older adults with minimal endoscopic abnormality. Microscopically, increased intraepithelial lymphocytes (IELs) (>20 per 100 enterocytes) are the histologic hallmark. The lamina propria mucosae reveals diffuse increase of mononuclear infiltration. Crypt architecture is preserved. The IELs belong to CD8-positive killer T-lymphocytes.

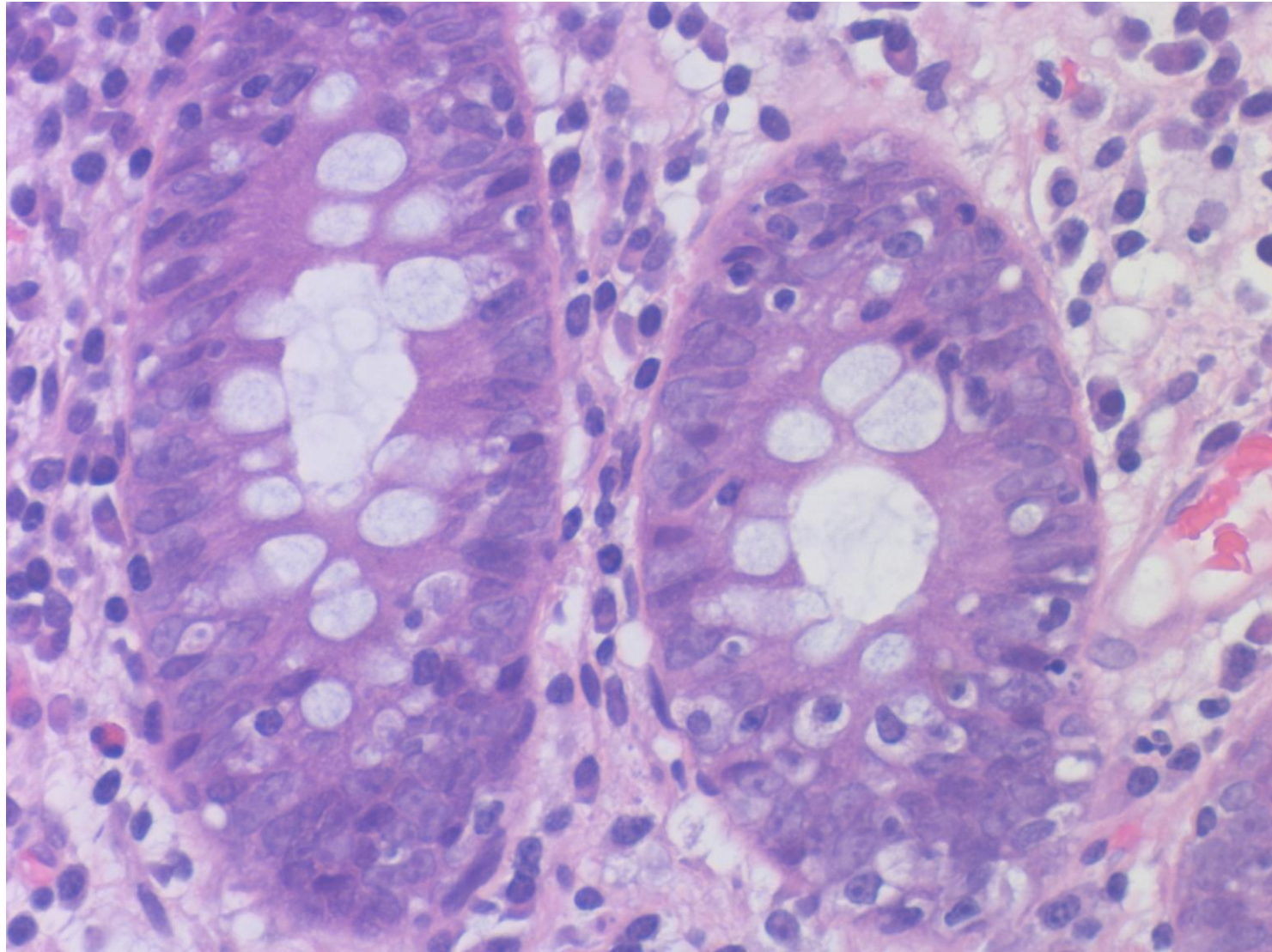
Ref.: Lazenby AJ, et al. Lymphocytic ("microscopic") colitis: a comparative histopathologic study with particular reference to collagenous colitis. Hum Pathol 1989; 20(1): 18-28. doi: 10.1016/0046-8177(89)90198-6



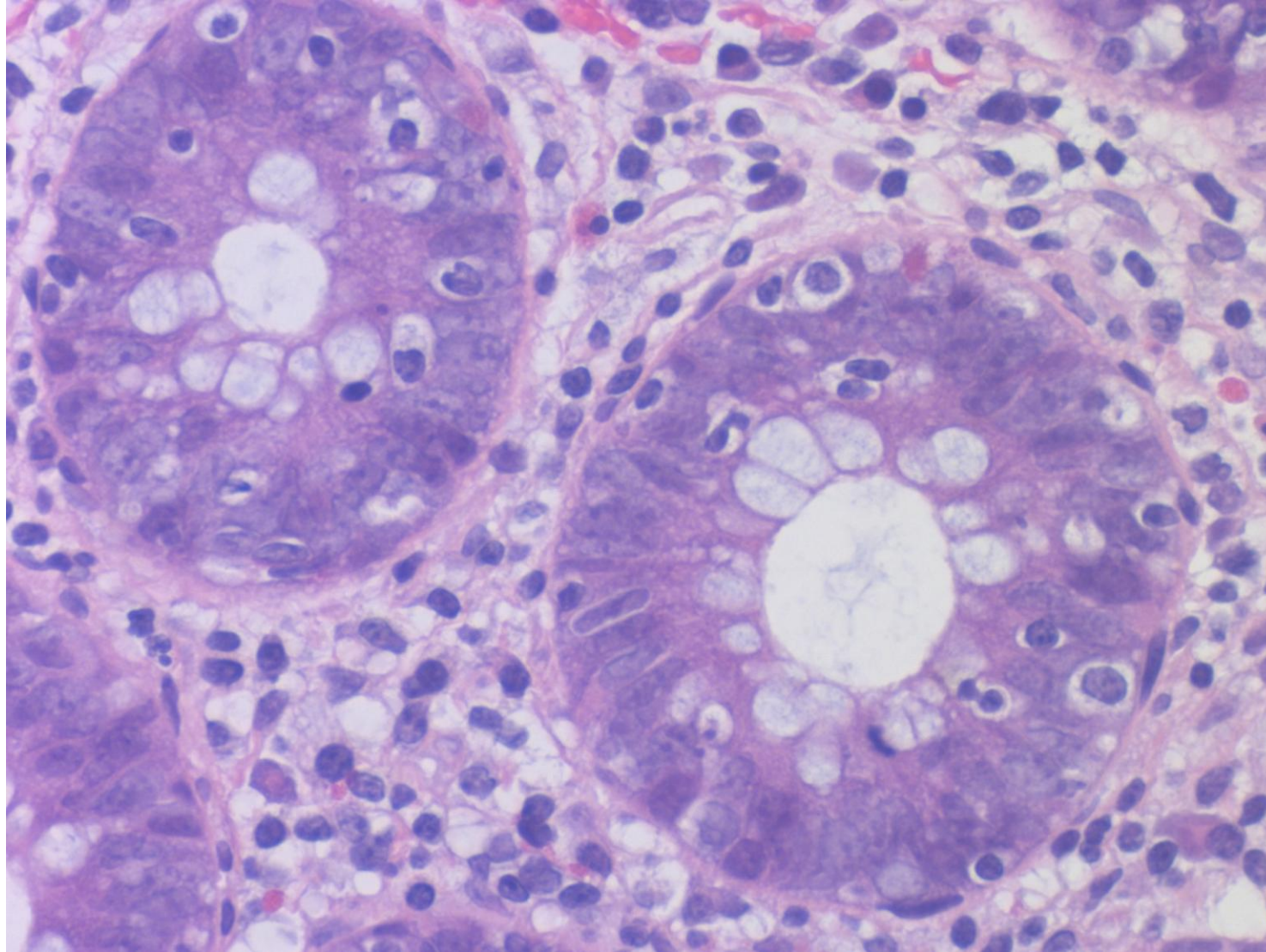
Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increase of intraepithelial lymphocytes is evident. H&E-1



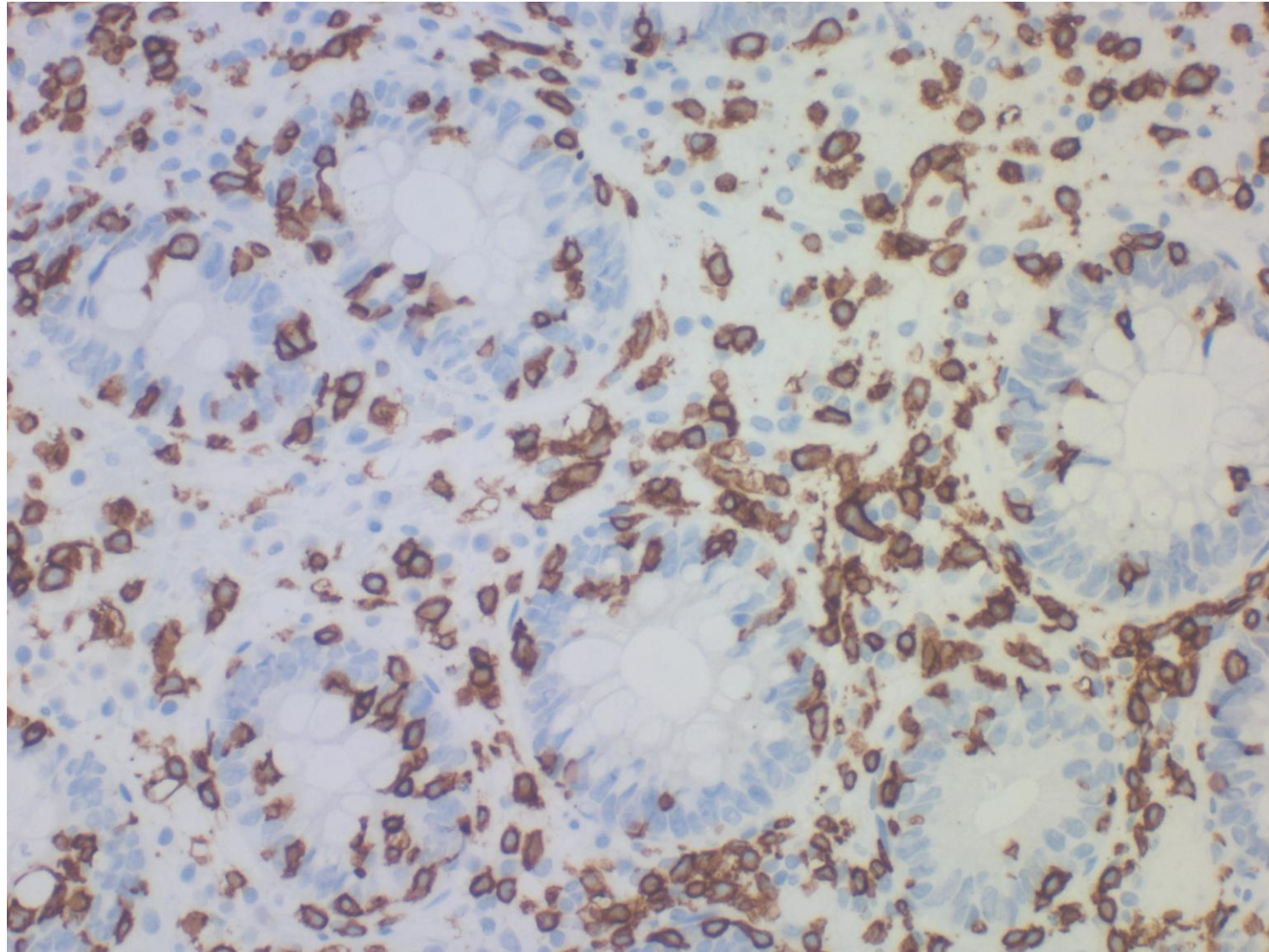
Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increase of intraepithelial lymphocytes is evident. H&E-2



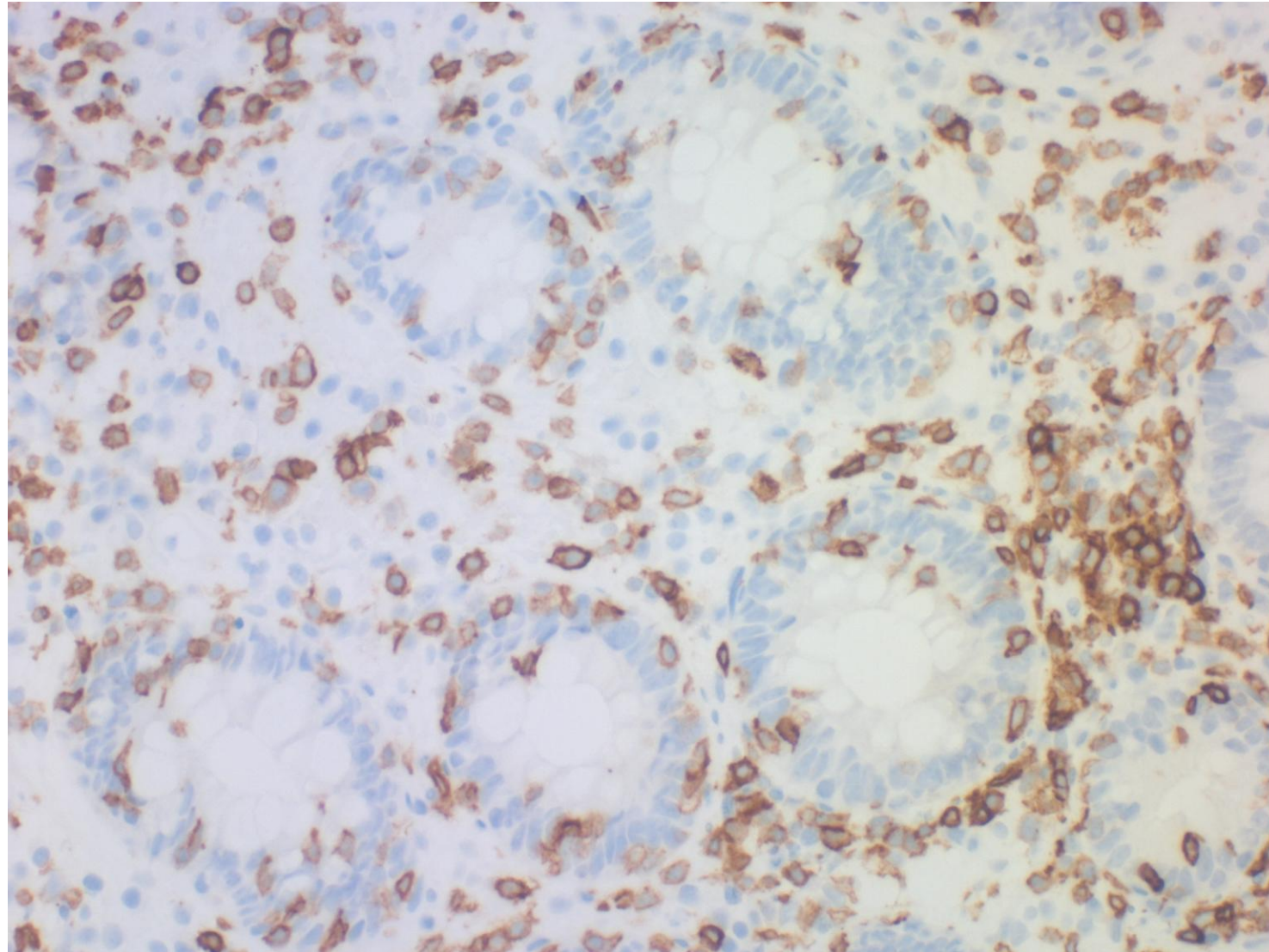
Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increase of intraepithelial lymphocytes is evident. H&E-3



Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increase of intraepithelial lymphocytes is evident. H&E-4

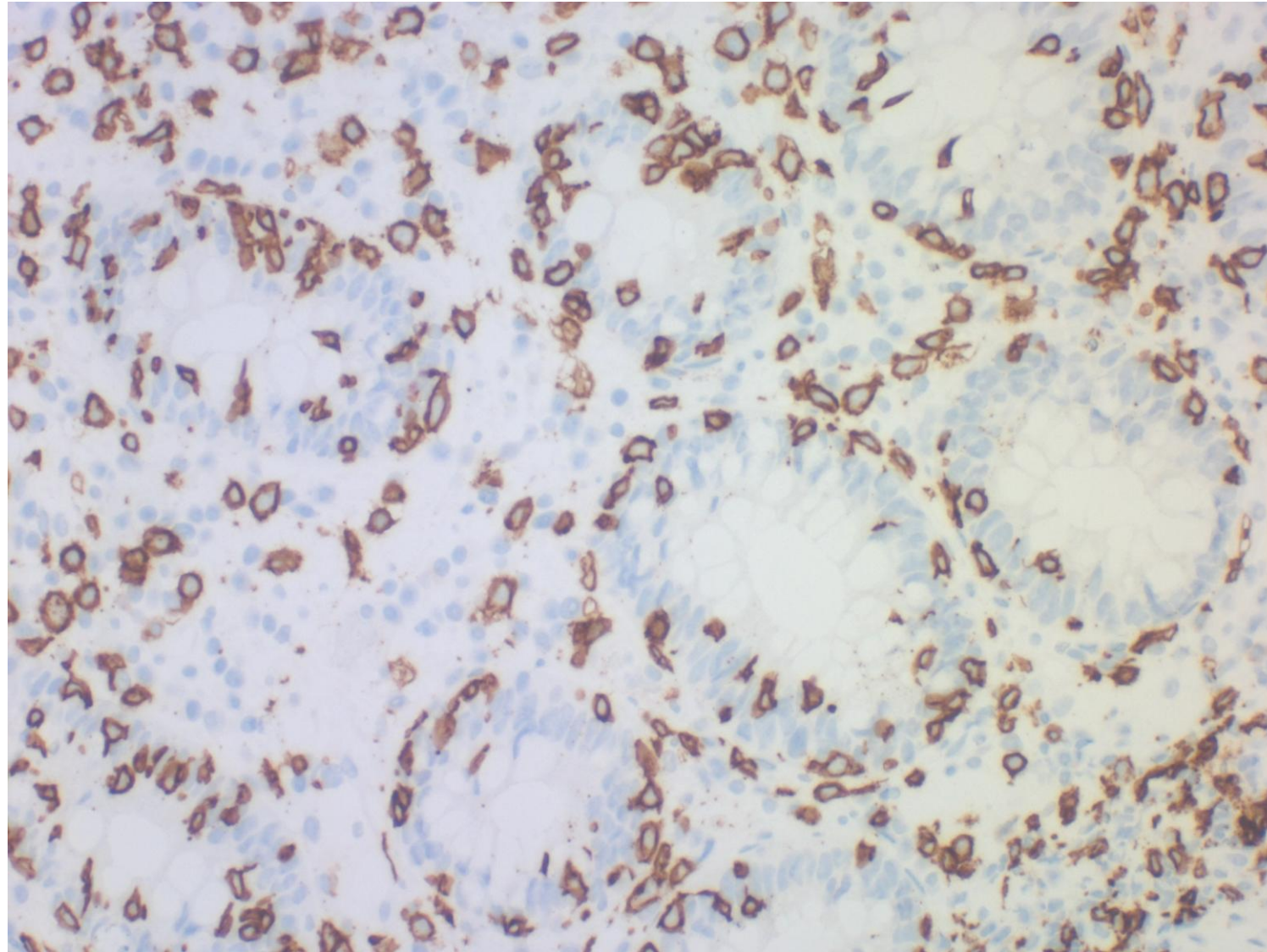


Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increased intraepithelial lymphocytes are immunoreactive for CD3. Immunostaining for CD3

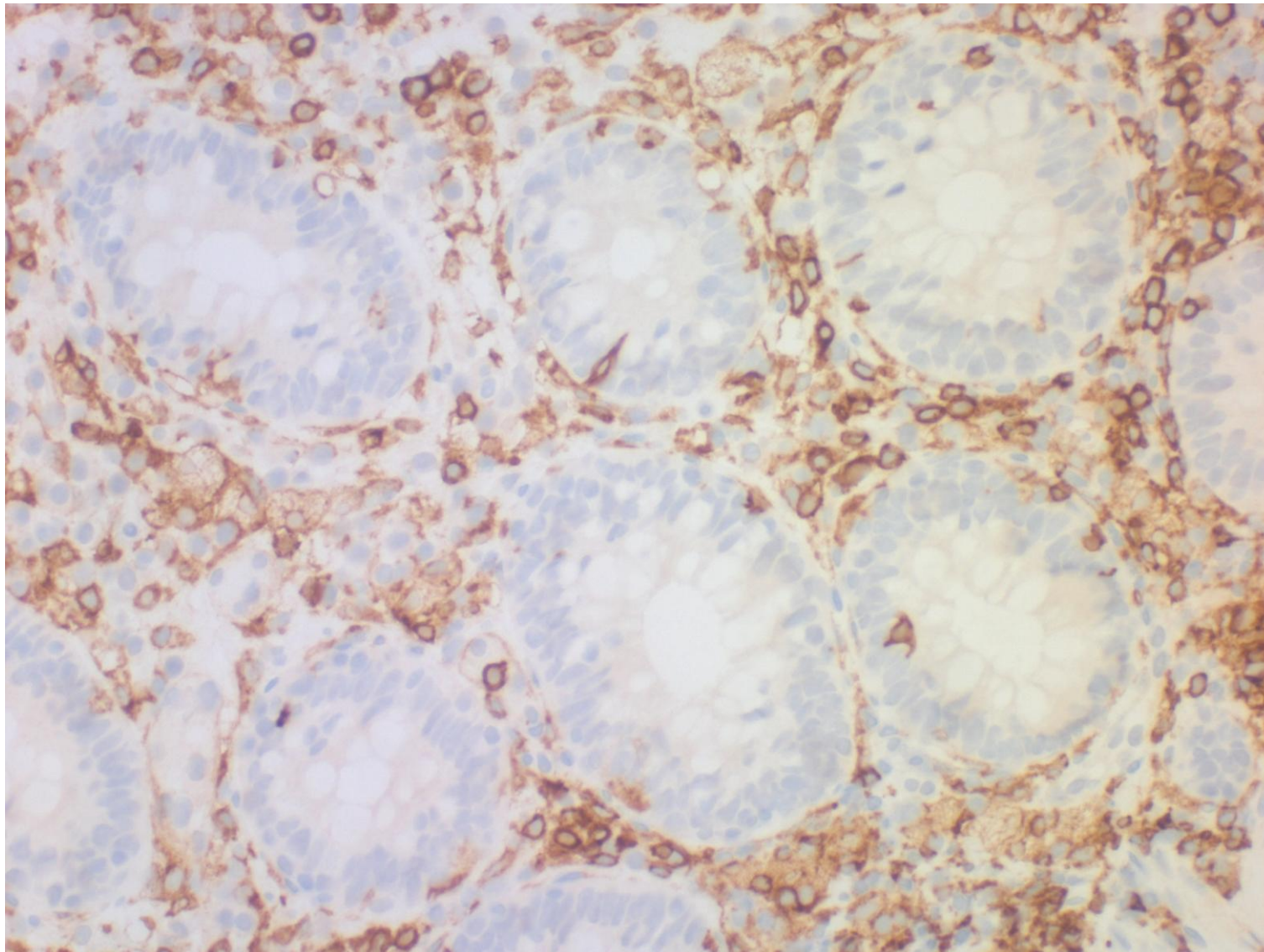


Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increased intraepithelial lymphocytes are immunoreactive for CD5. Immunostaining for CD5

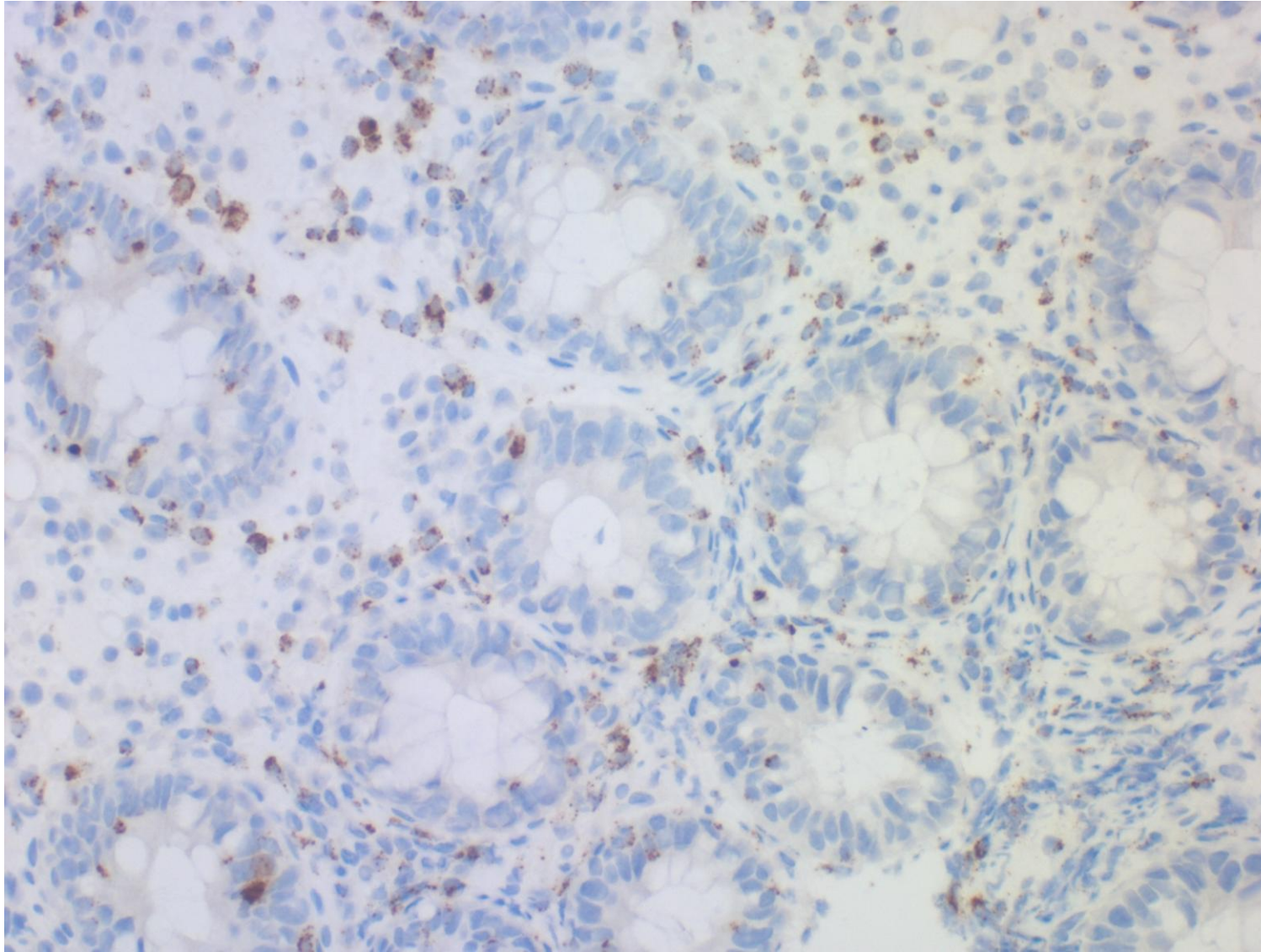
CD8



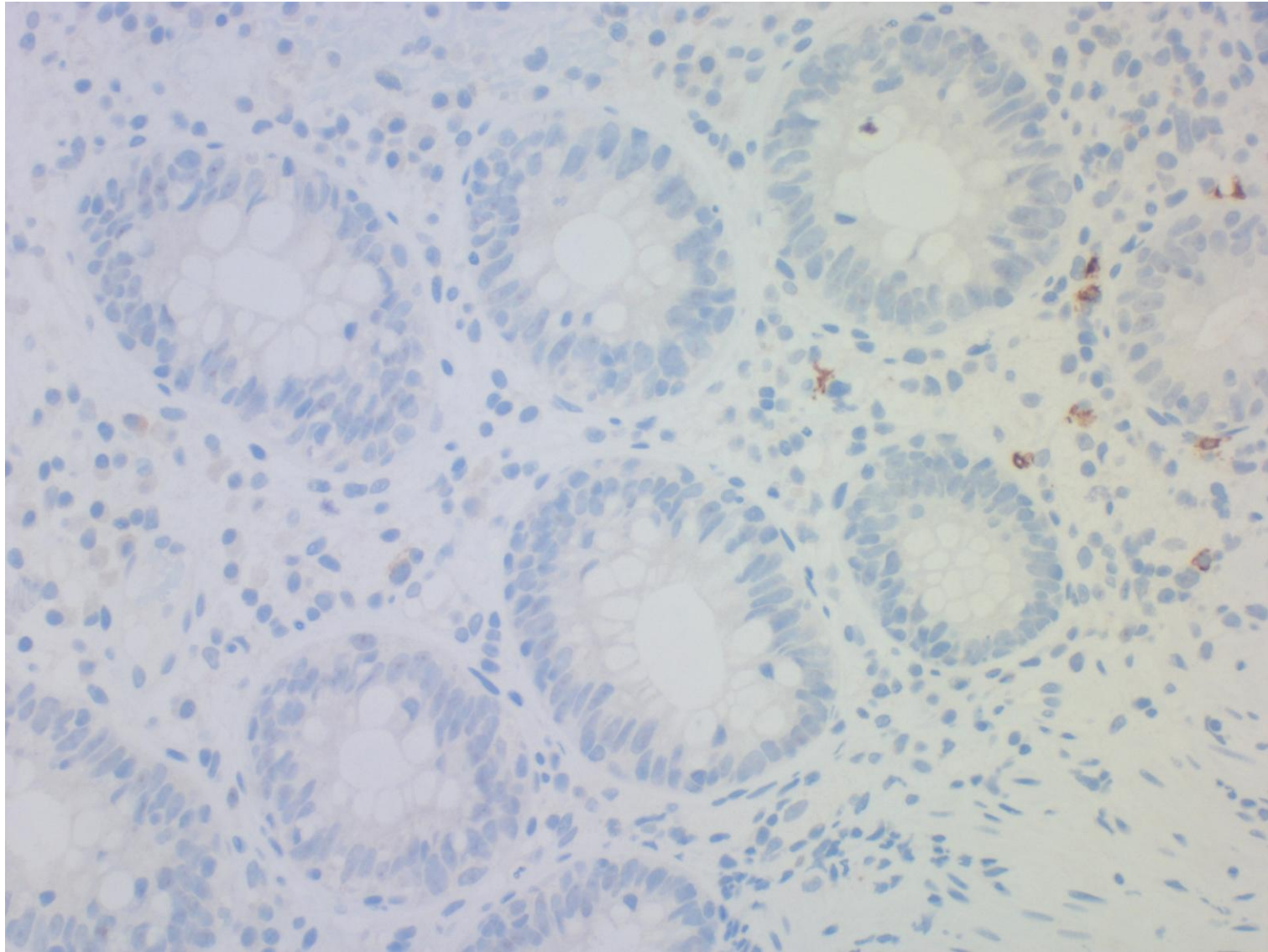
Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increased intraepithelial lymphocytes are immunoreactive for CD8. Immunostaining for CD8



Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increased intraepithelial lymphocytes are fundamentally negative for CD4. Immunostaining for CD4



Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increased intraepithelial lymphocytes are immunoreactive for granzyme B. Immunostaining for granzyme B



Rectal biopsy from a 75-year-old man with chronic watery diarrhea. The increased intraepithelial lymphocytes are negative for CD20. Immunostaining for CD20