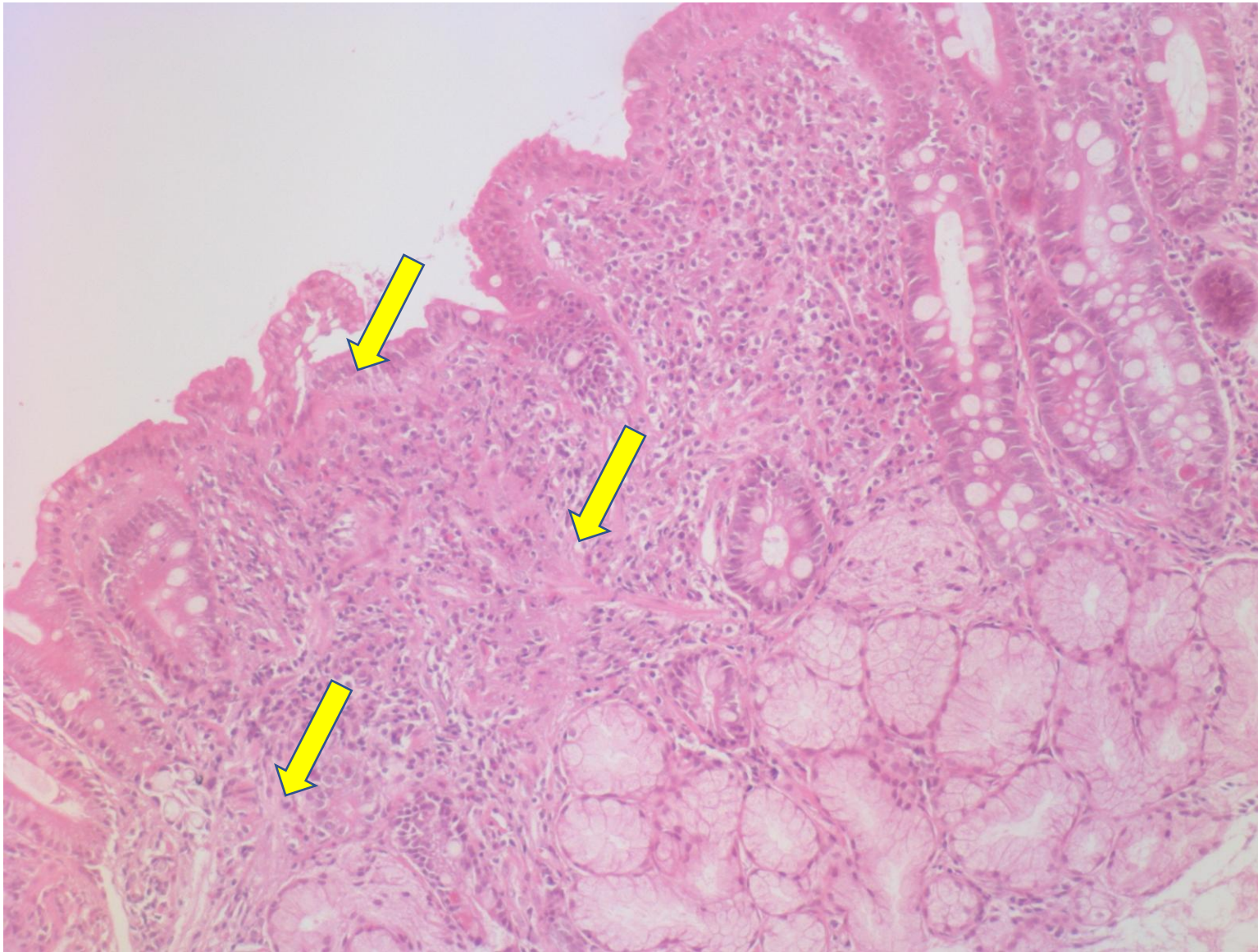


Collagenous gastritis in a child

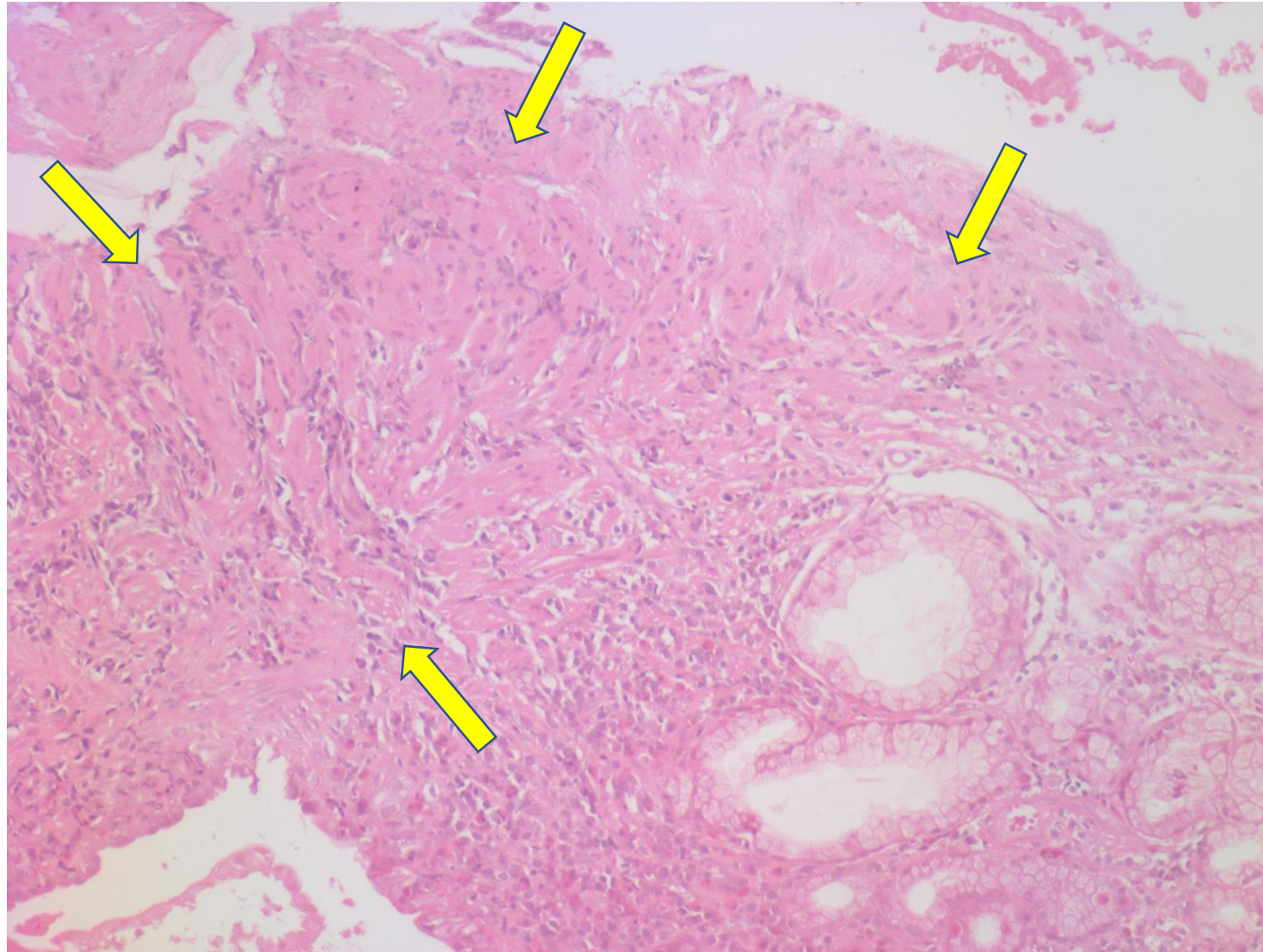
Collagenous gastritis is characterized by marked subepithelial collagen deposition thicker than 10 μ m, associated with mucosal inflammatory infiltration. In adult cases, concurrent involvement of the small bowel and/or colon is common. Childhood-onset collagenous gastritis shares in about one-third of cases, and the disease tends to be restricted to the stomach. The disease may be associated with autoimmune disorders and/or tested positive for autoantibodies.

Ref.-1: Rustagi T, et al. Collagenous gastroduodenitis. J Clin Gastroenterol 2011; 45(9): 794-799. doi: 10.1097/MCG.0b013e31820c6018

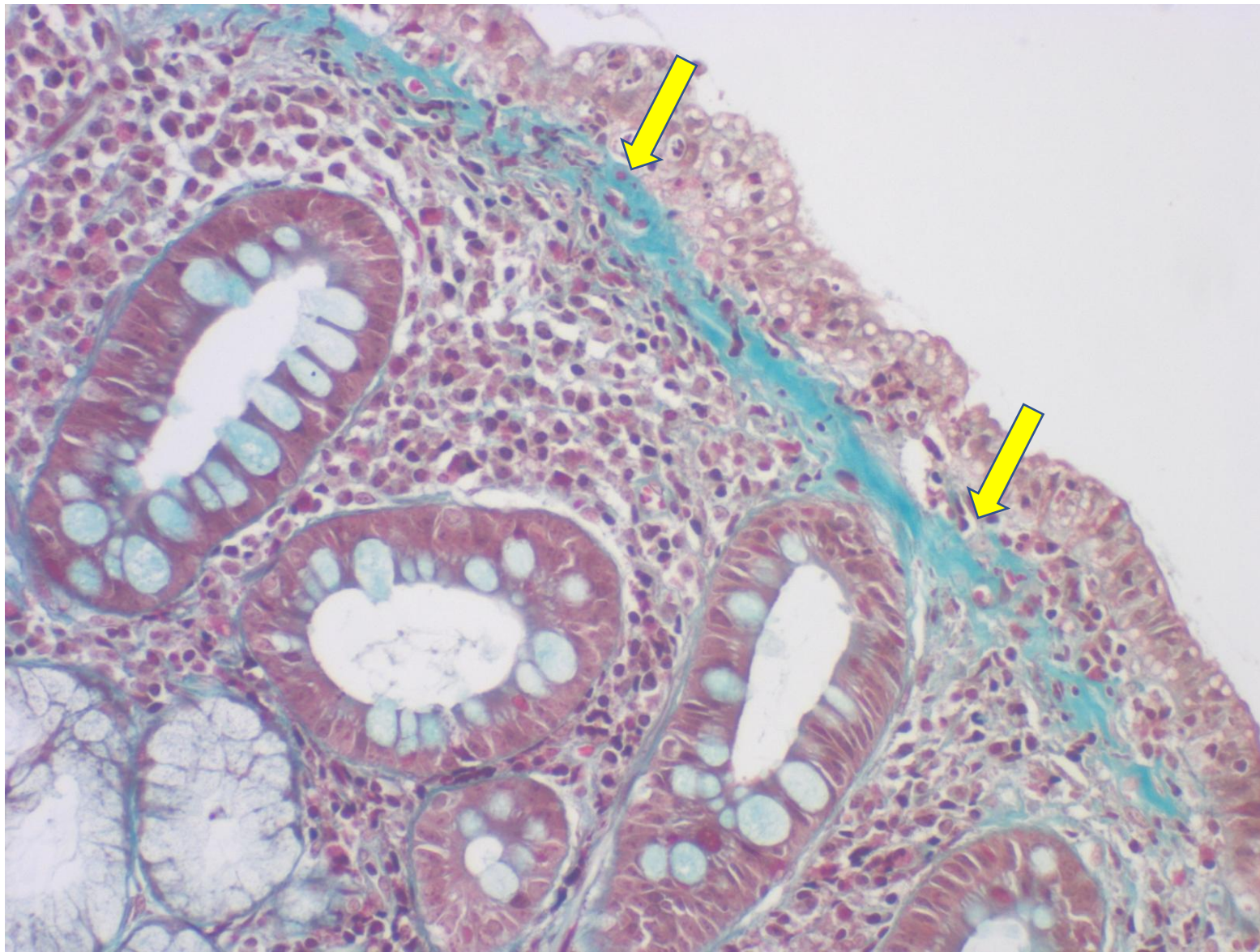
Ref.-2: Käppi T, et al. Collagenous gastritis in children: incidence, disease course, and associations with autoimmunity and inflammatory markers. Clin Transl Gastroenterol 2020; 11(8): e00219. doi: 10.14309/ctg.00000000000000219



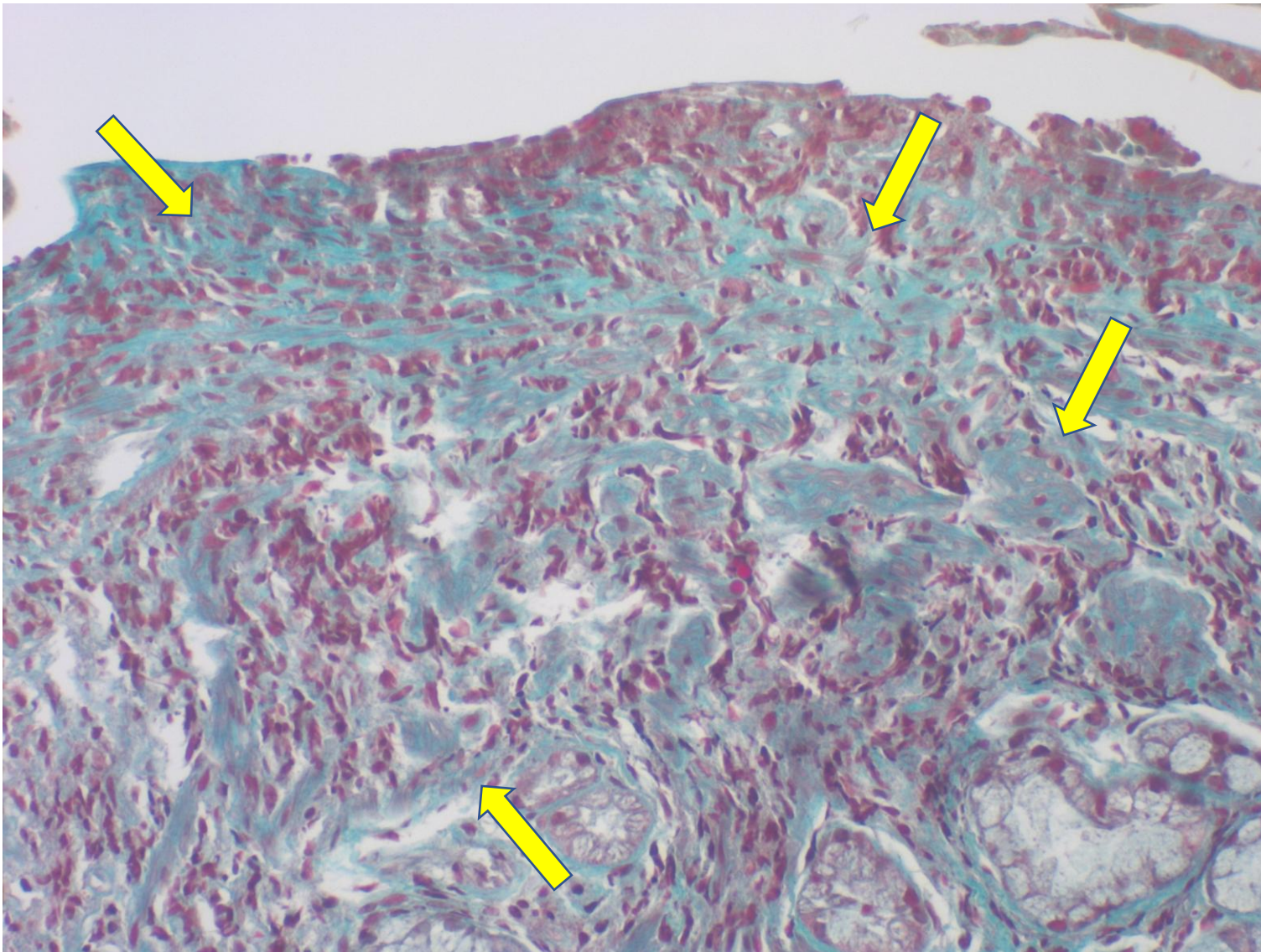
The antral gastric mucosa biopsied of a 12-year-old girl complaining of abdominal discomfort shows moderate chronic inflammation with lamina propria deposition of collagen bundles (arrows). Intestinal metaplasia is associated. H&E-1



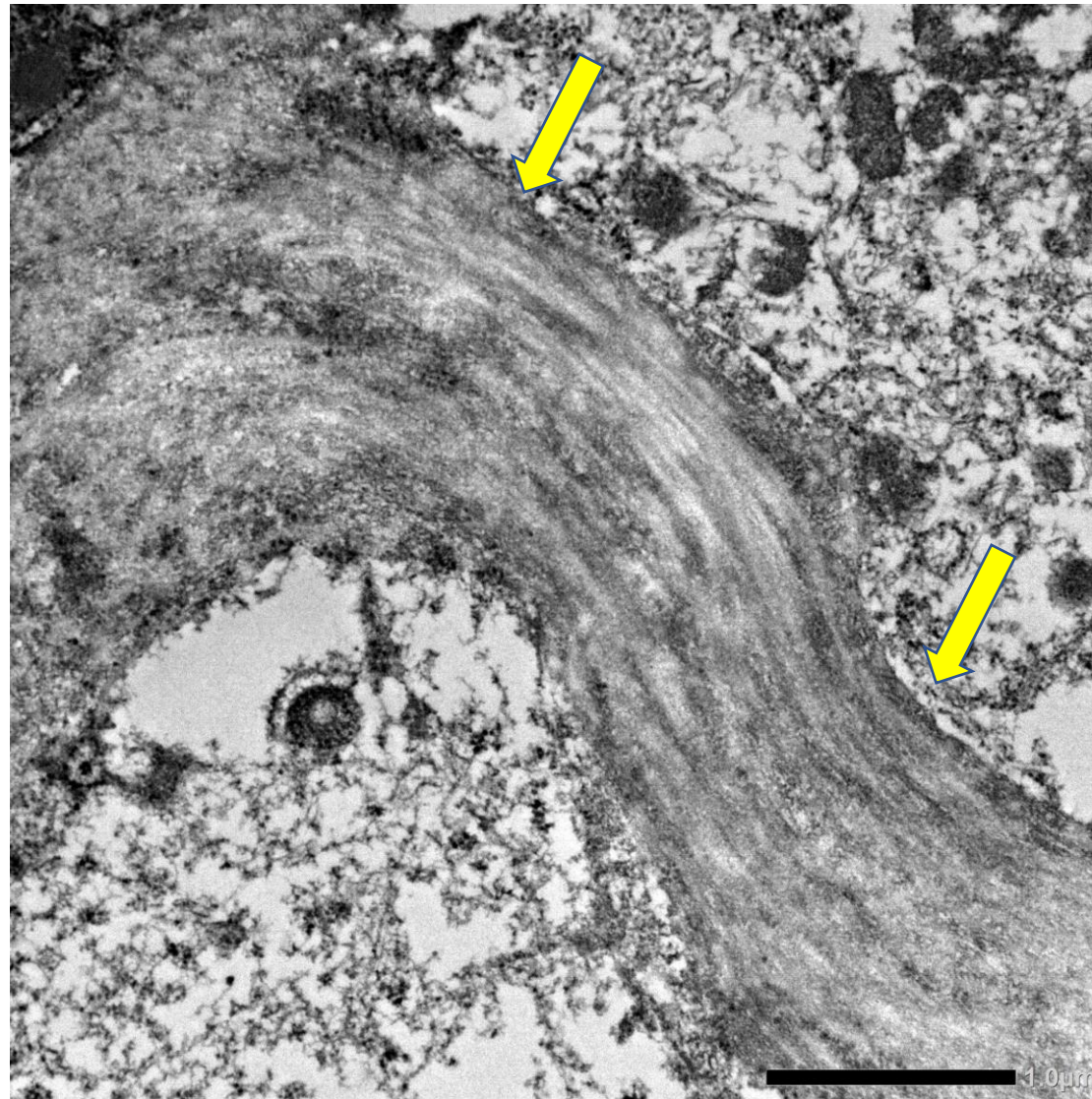
The antral gastric mucosa biopsied of a 12-year-old girl complaining of abdominal discomfort shows moderate chronic inflammation with lamina propria deposition of thick collagen bundles (arrows). Intestinal metaplasia is associated. H&E-2



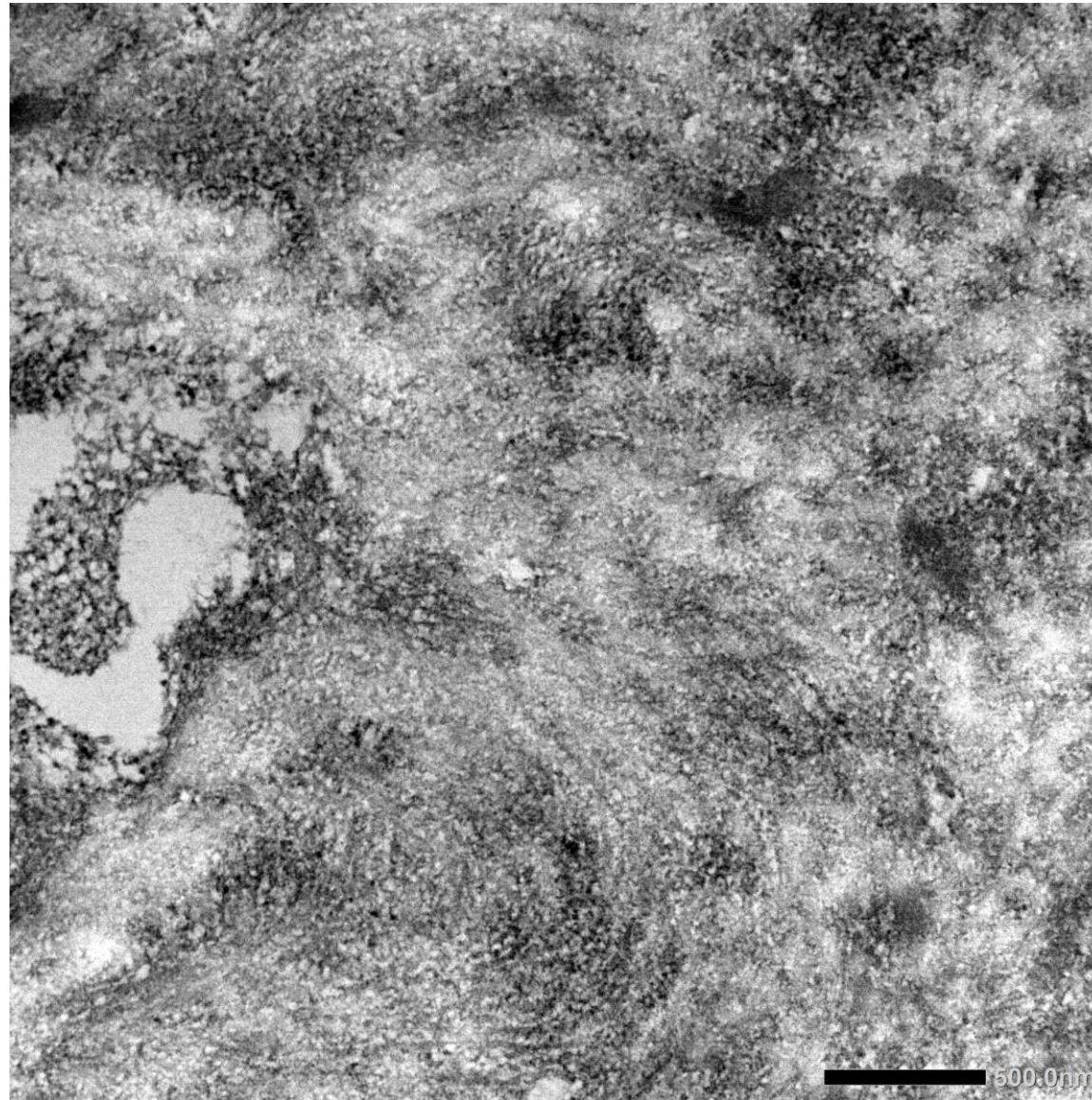
The antral gastric mucosa biopsied of a 12-year-old girl complaining of abdominal discomfort shows moderate chronic inflammation with lamina propria band-like deposition of collagen fibers (arrows). Intestinal metaplasia is associated. Masson trichrome-1



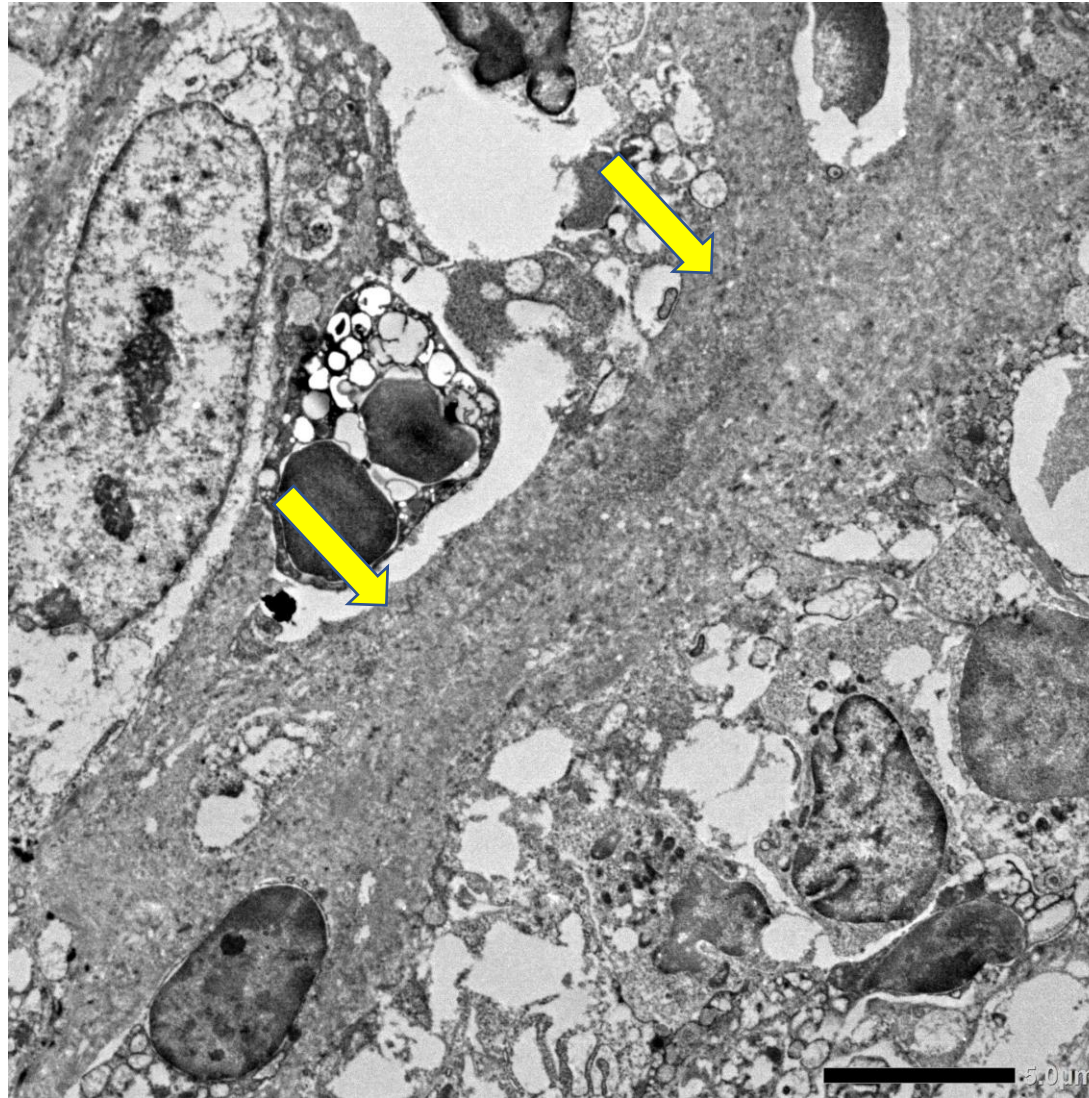
The antral gastric mucosa biopsied of a 12-year-old girl complaining of abdominal discomfort shows moderate chronic inflammation with lamina propria band-like deposition of collagen fibers (arrows). Masson trichrome-2



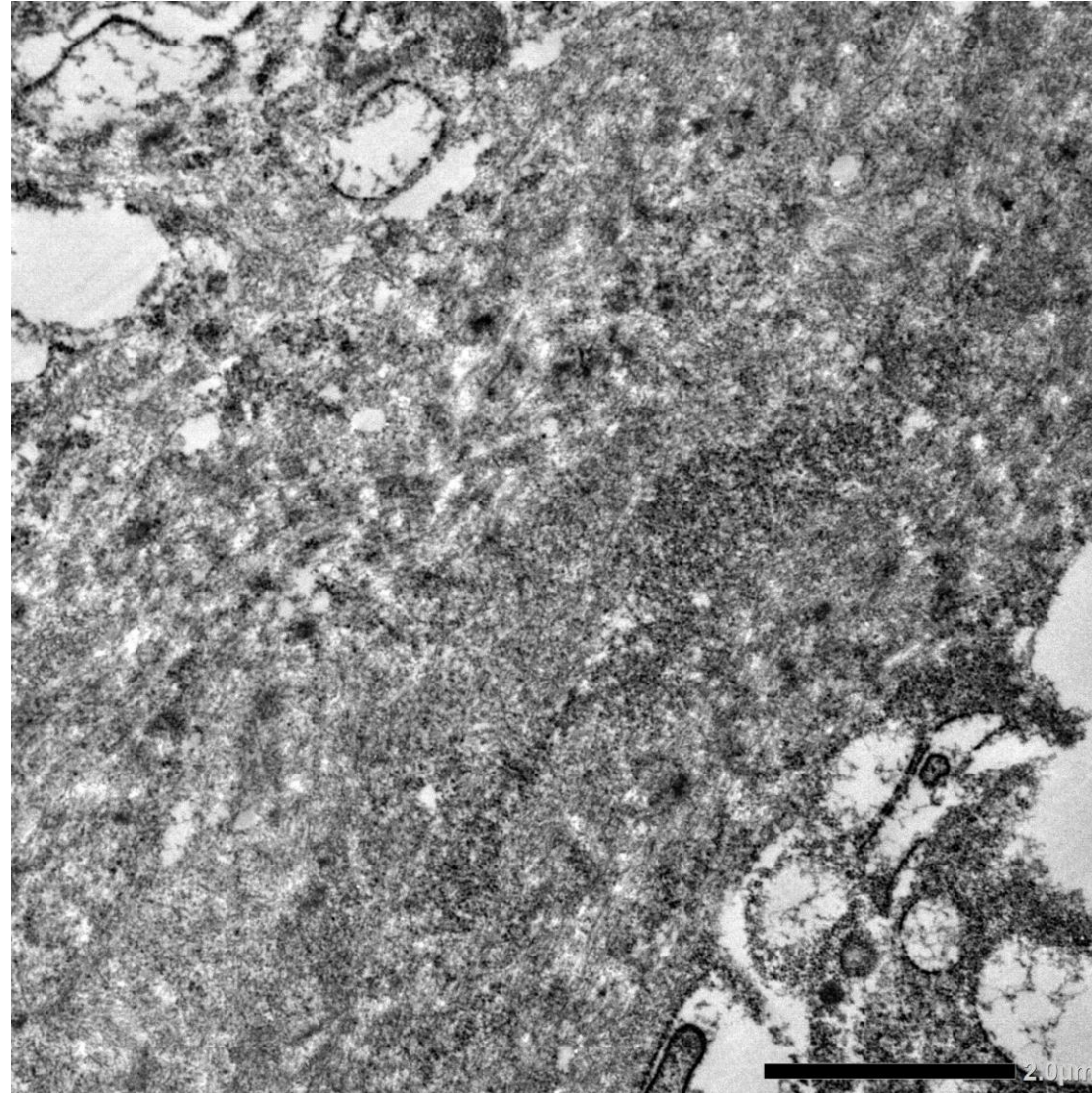
Ultrastructure of collagenous gastritis in a 12-year-old girl complaining of abdominal discomfort. Thick collagenous band is formed in the lamina propria mucosae (arrows). EM-1



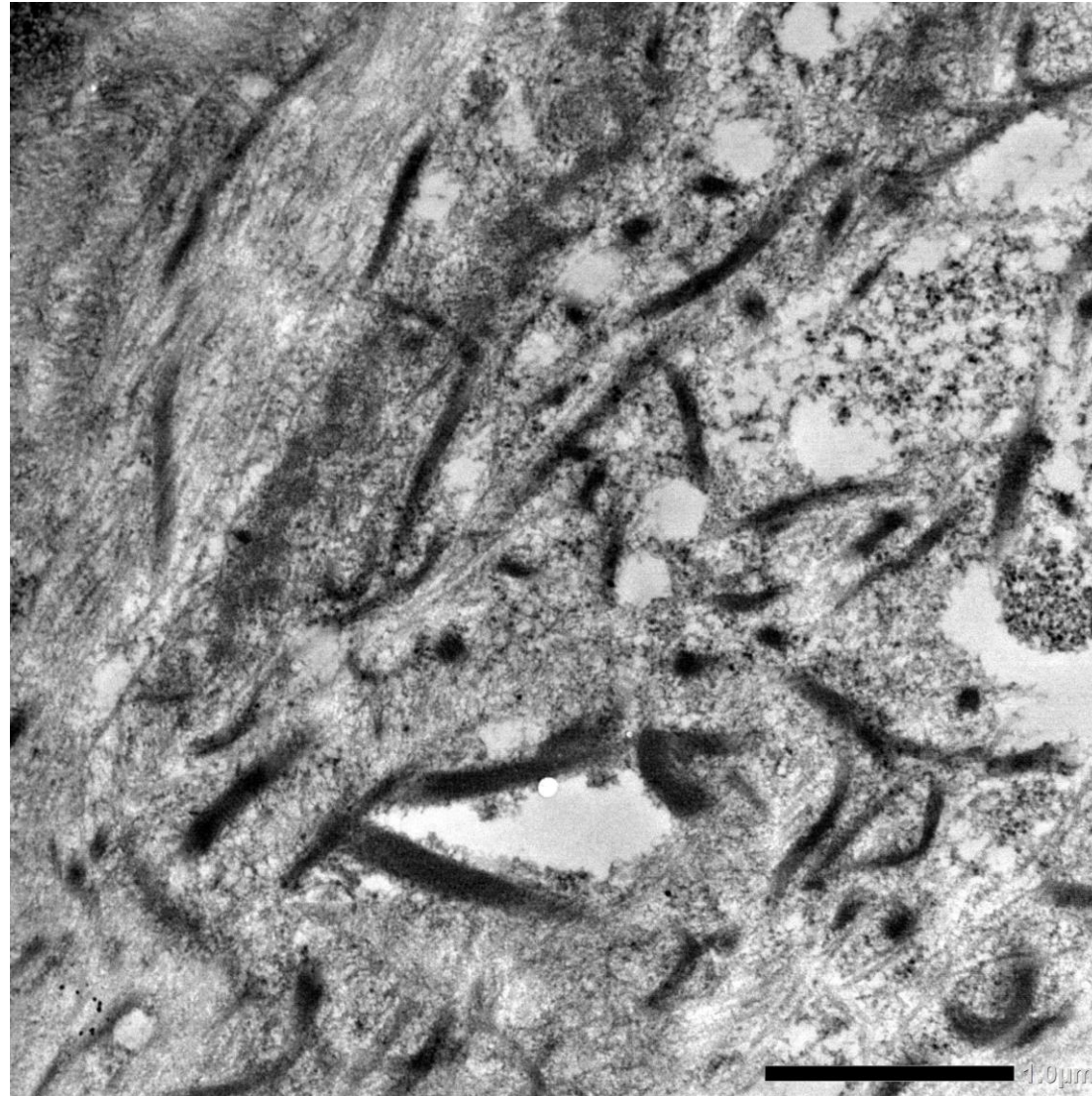
Ultrastructure of collagenous gastritis in a 12-year-old girl complaining of abdominal discomfort. High-powered view of the collagenous band reveals clusters of collagenous fibrils. EM-2



Ultrastructure of collagenous gastritis in a 12-year-old girl complaining of abdominal discomfort. Collagenous band is formed in the lamina propria mucosae (arrows). EM-3



Ultrastructure of collagenous gastritis in a 12-year-old girl complaining of abdominal discomfort. High-powered view of the collagenous band reveals clusters of collagenous fibrils. EM-4



Ultrastructure of collagenous gastritis in a 12-year-old girl complaining of abdominal discomfort. High-powered view of the collagenous band reveals clusters of collagenous fibrils. Electron-dense thick collagen fibers are intermingled. EM-5