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Time trend in surgical indications and outcomes in ulcerative colitis—A two decades in-depth retrospective analysis

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Abstract
Background: Recent data regarding the impact of biologics and new surgical techniques on the indications and outcomes of colectomy for ulcerative colitis (UC) are limited. Aims: The present study aimed at determining the trend of colectomy in UC by comparing colectomy indications and outcomes between 2000 and 2010 and 2011–2020. Methods: This observational retrospective study was conducted in two tertiary hospitals, including consecutive patients who underwent colectomy between 2000 and 2020. All data concerning UC history, treatment and surgeries were collected. Results: Among the 286 patients included, 87 underwent colectomy in 2001–2010 and 199 in 2011–2020. Patients' characteristics were similar between groups, except for prior biologic exposure (50.6 % vs. 74.9%; p<0.001). The indications of colectomy significantly decreased for refractory UC (50.6 % vs. 37.7%; p = 0.042), but were similar for acute severe UC (36.8 % vs. 42.2%; p = 0.390) and (pre)neoplastic lesions (12.6 % vs. 20.1%; p = 0.130). A widespread use of laparoscopy (47.7 % vs. 81.4%; p<0.001) was associated with fewer early complications (12.6 % vs. 5.5%; p = 0.038). Conclusion: Over the last two decades, the proportion of surgery for refractory UC significantly decreased compared to other surgical indications while surgical outcomes improved despite larger exposure to biologics. © 2023 Editrice Gastroenterologica Italiana S.r.l.

Author Keywords
Biologics; Colectomy; Surgery; Ulcerative colitis

Index Keywords
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