

Laparoscopic restorative proctocolectomy without ileostomy

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Abstract

Introduction : Restorative proctocolectomy (RPC) with ileal pouch-anal anastomosis (IPAA) by laparoscopy has already been described. We have performed RCP with Riolan's arcade préservation (RAP), and IPAA at the dentate line without ileostomy by laparoscopy.

Methods : We have retrospectively compared two groups of 12 patients who have had RCP by laparoscopy (LS) or by laparotomy (LT). The two groups were similar for age, sex, BMI, pathologies. Mortality, morbidity, functional results and quality of life have been studied.

Results : 11/12 patients underwent RCP with RAP in the LS group, and 9/12 patients in the LT group. There was no postoperative death. There were three complications in the LS group, and two complications in LT group, none of them required surgery. One LS patient underwent complementary lymphadenectomy for cancer. Mean hospitalization stay was similar for both groups. Number of daily stools, use of antidiarrheal drugs, anal continence and alimentary behavior were not statistically different. Sexual, urinary functions were normal for all patients. Quality of life was similar in both groups.

Conclusion : Our preliminary results show that RCP with RAP, IPAA at the dentate line without ileostomy is feasible by laparoscopy without increasing morbidity or impairing functional results and quality of life.