



Results of large bowel preparation by castor oil and cimetidine before laparoscopic colorectal cancer surgeries, 1394, Firoozghar Hospital, Tehran, Iran

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Abstract

Introduction and Aim: Large bowel preparation before surgery is one of issues which have been addressed in recent years. According to last reports, this method may leads to increase risk of wound infection and leak of anastomosis. The subject which has dealt less is surgeon's convenience during surgery and possibility of bowel perforation.

Method: In this study, 83 patients with colorectal cancer in 1394 in Firoozgar Hospital in Tehran, asked to take liquid regimen from 2 days before surgery and the day before surgery bowel preparation performed with 120 cc castor oil and 500 mg cimetidine orally. In addition, all patients took a low residue high protein regimen the day before surgery. All patient underwent laparoscopic large bowel resection after chemical bowel preparation and prophylactic antibiotics.

Results: Among mentioned patients, 52 (62%) had rectal cancer, 25 (30%) had left colon and sigmoid colon cancer and 5 (7%) of cases had right colon cancer. Average duration of surgery was 97 minutes. Postoperative data showed leak of anastomosis in 8 patients, that 2 of them led to second laparotomy. Among general postoperative morbidities, we found wound infection in 3 (4%), ileus more than 5 days in 4 (5%) and herniation of omentum from drainage catheter site in 1 (1%) of patients. No enterocutaneous fistula was found postoperatively.



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Discussion: Administration of castor oil and cimetidine together is an effective method for bowel preparation before laparoscopic colorectal surgery especially for surgeon convenience.

Key words: Colorectal, Cancer, Preparation