

Long-Term Outcome of Laparoscopic Colectomy for Benign Tumors of Colon and Rectum

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Abstract : Background : Laparoscopic surgery has led to great progress in the treatment of many gastrointestinal diseases. Many reports of laparoscopically colorectal surgery suggest that the same surgical treatment can be performed laparoscopically as performed by open procedure. The studies published to date report only the outcomes of laparoscopic surgery for patients with cancer. However, none of these reports described the short and long-term outcome of laparoscopic surgery for patients with benign tumors of the colon and rectum. We herein describe the long-term outcome for patients with laparoscopic colectomy for benign tumors of the colon and rectum. Methods : Thirty-one patients with benign tumors of the colon and rectum underwent laparoscopic surgery between 1995 January and 2004 December at the Second Department of Surgery, Fukuoka University Hospital. The mean age of the patients was 63.2 years old (range 28-89). Data were collected prospectively concerning the length of time before liquid and solid food intake, the length of hospital stay, intraoperative accidents, and postoperative complications. The patients were followed at an outpatients clinic for one month, and 3-6 months after the operation. Results : The median follow-up was 27.6 months (range 4.3-108.5 M). Twenty-seven Patients were diagnosed to have adenoma while two patients were diagnosed lipoma of submucosal tumor. The other patients demonstrated a hyperplastic polyp and a juvenile polyp, respectively. One of the patients had to be converted to open surgery because of intraabdominal adhesion. The mortality rate was 0%. The overall morbidity was 0%. One patient had minor complications (3.1%) ; one urinary disturbance. No patients presented with major complications. Conclusions : Our surgical experience with a laparoscopic colectomy for benign tumors of colon and rectum therefore seemed to be a feasible and useful procedure for both of younger and elderly patients.

Key words : laparoscopic colectomy, laparoscopic surgery, benign tumors of the colon and rectum, Long-term outcome