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Design of clinical trials of effect on whether preserve Left Colonic Artery (LCA) on the prognosis of patients with laparoscopic resection of Inferior Mesenteric Artery (IMA) in rectal cancer

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Incidence of colon cancer has reached the fourth among all cancers in China and there is an upward trend in the incidence of the disease, and the middle and low rectal cancer accounts for about 70% of all cancers. With the rapid development of science and technology, continuous improvement of surgical instruments, the application of laparoscopic radical resection for rectal cancer has become more and more mature and standardized. Treatment of inferior mesenteric artery is a key step in laparoscopic radical resection of rectal carcinoma. Ligation of the IMA position has two options: Not retain the left colonic artery from IMA, 1~ 2 cm above the root separation and ligation; retain the left colonic artery, separation of the left colonic artery branches in IMA distal and low ligation. We designed the clinical trials intends to carry out a large sample of a single blind, randomized controlled trial design; comparison of therapeutic effects of L-DIXON surgery of inferior mesenteric artery low ligation and high ligation, clarify the different surgical methods for patients with operation difficulty and the short-term prognosis, to investigate the best surgical method of laparoscopic radical surgery for rectal cancer. We Plan to carry out a multi-center prospective randomized controlled study, the patients were randomly divided into two groups, the control group (traditional group) and the experimental group (Retain left colic artery group). The anastomotic complications were analyzed and observed 3 years recurrence rate and survival time of postoperative patients after operation, to explore the retention of left colonic artery for guarantee can effectively reduce anastomotic complications related to the premise of oncologic under laparoscopic left colon clear retention artery in low rectal cancer surgery advantage.

Biography

Wenqing Feng completed her Master degree at Shanghai Jiaotong University School of Medicine. She studied under Professor Aiguo Lu (Director of Shanghai Minimally Invasive Surgical Center). Her research focuses on laparoscopic as well as robotic-assisted laparoscopic resection for rectal cancer, specifically on laparoscopic resection for mid and low rectal cancer.

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