Exploring the Deloyers Procedure: An Innovative Approach to Addressing Complex Challenges

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INTRODUCTION

The Deloyers procedure is a surgical technique that has gained recognition for its potential to optimize colonic anastomosis outcomes. This innovative approach involves the mobilization of an extended segment of the colon and a staged anastomosis, which aims to reduce the risk of anastomotic complications.

The primary objective of this study is to describe the Deloyers procedure in colonic anastomosis.



CASE PRESENTATION

We present a male patient, 48 years old, with a history of adenocarcinoma of the sigmoid rectum treated with left hemicolectomy + terminal colostomy one year ago, along with 5 cycles of chemotherapy, with the last one in November, and a conventional appendectomy performed 41 years ago. Currently asymptomatic, comes for elective intestinal restitution. Patient underwent supra and infraumbilical laparotomy incision making a transverse colectomy with Deloyers anastomosis due to the shortness of the transverse colon in the pelvic region. Additionally, colostomy resection was performed to reverse a previous colostomy plus a high rectal proctectomy was carried out due to rectal ampulla atrophy, and a protective ileostomy was created. The patient had a favorable recovery and was discharged after 8 days of hospitalization, during which no complications were observed.

CONCLUSIONS

Preliminary findings suggest that the Deloyers procedure can be a valuable addition to the surgical armamentarium for colonic anastomosis, especially in cases where a higher risk of anastomotic complications is anticipated. The extended mobilization of the colon and the staged anastomosis technique may contribute to reduced postoperative complications. However, careful patient selection and surgical expertise are crucial for its success. Further research and long-term follow-up are needed to establish the full spectrum of benefits and potential drawbacks associated with the Deloyers procedure in colonic anastomosis.

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