

## **Local and Systemic Complications after Resection of Rectal Cancer in the Department of General and Abdominal Surgery University Clinical Center Maribor between 2004 and 2014**

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**Abstract :** Background: In Department of Abdominal and General Surgery of University Medical Centre Maribor, we treated 578 patients for rectal cancer between 2004 and 2014. During and after treatment we especially concentrated on monitoring local and systemic complications. Methods: For analysis, we used data gathered from preoperative diagnostic tests, reports gathered during operation, reports from the pathohistologic review, and reports on complications after surgery and follow up. Results: In the case of 573 (out of 578) patients (99.1%) we performed resection. R0 was achieved in 551 patients (96,1%). R1 was achieved in 8 patients (1,4%). R2 was achieved in 14 patients (2,4%). Local complications were reported in 78 (13.5%) patients and systemic complications were reported in 68 (11.7%). We would like to point out the low number of local and systemic complications. Conclusions: With advances in surgical techniques, with a multimodal-multidisciplinary approach and with the use of total mesorectal excision we experienced a significant improvement in reducing the number of local and systemic complications in patients with rectal cancer. However, there still remains the question for truly optimal care for each patient with rectal cancer and his quality of life after surgical treatment.

**Keywords :** local complications, rectal cancer, resection, systemic complications

**Conference Title :** ICCTGS 2018 : International Conference on Current Trends in Gastrointestinal Surgery

**Conference Location :** Dublin, Ireland

**Conference Dates :** February 15-16, 2018