

Surgical management of malign large bowel obstructions

F. Zaharie¹, L. Mocan¹, T. Mocan², C. Tomus¹, V. Hodor¹, N. Al Hajjar¹, D. Munteanu¹, I. Puia¹, O. Bala¹, R. Zaharie³, O. Ilie⁴, D. Bartos¹, A. Bartos¹, L. Vlad¹, C. Iancu¹

¹Clinica Chirurgie III, Universitatea de Medicină și Farmacie "Iuliu Hațieganu", Cluj-Napoca, România

²Catedra de Fiziologie, Universitatea de Medicină și Farmacie "Iuliu Hațieganu", Cluj-Napoca, România

³Clinica Medicală III, Universitatea de Medicină și Farmacie "Iuliu Hațieganu", Cluj-Napoca, România

⁴Catedra de Endocrinologie, Universitatea de Medicină și Farmacie "Iuliu Hațieganu", Cluj-Napoca, România

Abstract

Introduction: Despite significant progress, the management of acute colonic obstruction still remains a challenging problem. The purpose of this study was represented by the evaluation of the clinical results of different techniques of resection for malignant colorectal (primary or staged) obstruction.

Methods: We performed a non-randomized clinical study. 590 patients with malignant colorectal occlusion who underwent surgery treatment an 3rd Surgical Clinic Cluj-Napoca between 1996-2005 were included.

Results: Patients with large bowel obstruction underwent one-stage primary resection with anastomosis in 267 cases or staged interventions in 323 cases. The groups were matched in: age, sex, comorbidities, tumor staging, serum preoperative levels of hemoglobin and proteins. The analysis of mortality and morbidity following surgical treatment for large bowel obstruction returned no significant difference among the two groups ($p > 0.05$). Moreover, the presented results showed a higher incidence of mortality (11.45% vs 9.33 %), morbidity (25.38% vs 14.6%) and increased hospitalization period ($p = 0.029$) among the patients that undergone seriate resections.

Conclusions: One stage primary resections with anastomosis of the large bowel can be performed safely in case of emergency whenever patient comorbidities and local conditions do not stand as major restrictions.

Key words: intestinal obstruction, colorectal cancer, colectomy, mortality, morbidity

Correspondență:

Conf. Dr. Iancu Cornel
Catedra Chirurgie III, UMF Iuliu Hațieganu
Str. Croitorilor nr. 19-21, Cluj-Napoca, România
E-mail: dr_cornel_iancu@yahoo.com