

Abstract

Perioperative nutritional care is an integral part of the management and accelerated recovery program after radical cystectomy. Currently, there is limited literature dealing about perioperative nutritional care in patients undergoing radical cystectomy for bladder cancer.

The purpose of the practical part was to determine the effect of preoperative immunomodulating nutrition of ONS type on the postoperative complications and the length of stay in hospital in 25 patients undergoing radical cystectomy for bladder cancer at the Masaryk Memorial Cancer Institute in 2022, compared to 32 patients without preoperative immunomodulating nutrition who underwent radical cystectomy in 2021. The second efficacy point of the practical part was to investigate the process of specialised perioperative nutritional care held according to a specialised protocol involving patients undergoing radical cystectomy for bladder cancer and to propose a modification of the process in order to improve the quality of nutritional care provided in perioperative period.

In our research, preoperative immunomodulating nutrition of ONS type did not significantly affect postoperative complications and length of stay in hospital compared to the retrospective control group without preoperative immunomodulating preparation.

Further prospective randomized placebo-controlled trials are required to improve perioperative nutritional care. The results of this thesis can be a basis for other dietitian teams in the initial implementation of perioperative protocols.