Chirurgia (Bucur). 2021;116(2):193-200
http://dx.doi.org/10.21614/chirurgia.116.2.193

Surgical Features after Neoadjuvant Treatment for Breast Cancer

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Abstract

Introduction: Patients with breast cancer may receive neoadjuvant cancer treatment in order to benefit from radical surgery or to turn an indication for extensive surgery into a conservatory or oncoplastic operation. Aim: To establish the main implications of therapeutic management of the cases of breast cancer treated initially with chemotherapy followed by surgery.

Material and Method: 35 breast cancer patients operated in 2020 after NACT (neoadjuvant chemotherapy) in Surgery Clinic of Coltea Hospital are analyzed, and the response after treatment is pathologicaly evaluated using the Residual Cancer Burden method

Results: The results of the analysis of the group of patients showed that most patients presented downstaging of the disease after neoadjuvant treatment with a proportion of 17,14% with complete pathologic response.

Discussions: We performed clinical and imagistic evaluation of patients before and after NACT and pathologic evaluation of the surgical specimen using residual tumor burden method, taking into account the age of the patients, clinical and pathological staging and the status of hormone receptors and Her 2.

Conclusions: Neoadjuvant chemotherapy is currently part of the therapeutic arsenal of breast cancer being followed in most cases by downstaging of tumors and increasing the number of cases that can be operated. 17.1% of cases achieved pathologic complete response, 2 of them being Her 2 positive carcinomas. The use of conservative and oncoplastic surgical techniques is possible after downstaging tumors by NACT.

Key words: neoadjuvant therapy in breast cancer, complete pathological response, conservative breast cancer surgery