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Aanvraag gegevens ten behoeve van wetenschappelijk onderzoek NBCA201605

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Titel onderzoek

Resection volumes in breast cancer patients receiving breast conserving therapy after neoadjuvant therapy.

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Beschrijving onderzoek

Breast conservative treatment is currently considered the standard of care for early breast cancer. Neoadjuvant chemotherapy (NACT) is increasingly used in patients with an indication for mastectomy due to its potential to increase breast conservation, which is associated with less morbidity and improved body image compared with complete breast removal. Additionally, NACT is used to potentially lower resection volumes in patients who already have an indication for BCS (and systemic chemotherapy) at the time of presentation. Therefore NACT has the potential for improving the cosmetic outcome by reducing the amount of breast tissue that must be removed. Cosmetic outcome has been described to be significantly influenced by resection volumes and cosmetic failure has been described to be significantly higher if the size of the lump exceeds 40-100cc, independently of breast size. However, no study describes comparison of resection volumes in comparable patients with and without NACT. Additionally, cosmetic outcome in patients treated with BCS after NACT with the aim of downstaging the breast have not been described.

The study enrolls patients treated with NACT who underwent breast-conserving surgery (BCS) between 2012- 2015. Indication for giving NACT is not registered, to include patients in which NACT is given for downstaging of the breast tumor, patients with inflammatory breast cancer, multifocal breast cancer, axillary lymph node dissectionM1 will be excluded. The clinical and pathological data from the DICA database will be linked to the pathological biopsy and lumpectomy data from the Dutch Pathology Registry (PALGA, the nationwide network and registry of histo-and cytopathology in the Netherlands). With involvement of a 2016.1



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trusted third party ZorgTTP. ZorgTTP (software) will create different pseudonyms based on BSN (citizen service number) or a combination of the last name, birthdate and gender.

Beoogde publicatie(s)

- Volume resections in patients after breast conserving therapy receiving NACT for downstaging of the breast.
- Factors influencing volume in breast conserving therapy after NACT.