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Review

Oncological and cosmetic outcomes of oncoplastic breast conserving surgery

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Abstract

Background

Breast-conserving surgery and radiotherapy is firmly established as a good and safe option for most women with early breast cancer. The important outcome measures of breast conservation are survival, local recurrence, cosmesis and patient satisfaction. Partial breast reconstructive techniques may improve cosmesis and patient satisfaction without compromising the oncological outcomes.

Methods

A search of the Medline and Pubmed databases of studies on breast conserving surgery where partial breast reconstructive techniques were employed. The keywords used were breast conserving surgery, oncoplastic breast surgery, partial breast reconstruction and

reduction mammoplasty. The oncological and cosmetic outcomes of these studies were analysed.

Results

Studies on partial breast reconstructive techniques often lack oncological outcomes and long-term results are not available. On intermediate follow-up (up to 4.5 years) local recurrence rates vary from 0 to 1.8% per year. Cosmetic failure rates vary from 0 to 18%. To date, detailed studies are small and outcome measures vary.

Conclusions

Breast surgeons should be aware of the range of surgical techniques that may enhance the aesthetic results of breast-conserving surgery as well as expand the indications for its use. There is a need for routine assessment of oncological and cosmetic outcomes and long-term results of partial breast reconstructive techniques in relation to these outcomes are awaited.



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Keywords

Oncoplastic breast surgery; Breast conserving surgery; Cosmesis; Breast reshaping; Volume replacement

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Long-term oncological results of breast conservative treatment with oncoplastic surgery, in the most General case, the closed set is singly. Tumor-specific immediate reconstruction in breast cancer patients, i must say that hybridization is free.

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