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Integrated breast cancer surgical treatment: novel aspects of minimallyinvasive treatments**Gianluca Franceschini***Fondazione Policlinico Universitario Agostino Gemelli IRCCS Rome, Italy*

The surgical management of breast cancer has been undergoing continuous and profound changes over the last 40 years. The evolution from aggressive and mutilating treatment to conservative approach has been long but constant, despite the controversies arising every time a new procedure came to light. Today, the esthetic satisfaction of breast cancer patients coupled with oncological safety is the goal of the modern breast surgeon. Breast-conserving surgery with adjuvant radiotherapy is considered the gold standard approach for patients with early stage breast cancer and the recent introduction of "oncoplastic techniques" has furtherly increased the use of breast-conserving procedures. Mastectomy still remains a valid surgical alternative in selected cases and is usually associated with immediate reconstructive procedures. New surgical procedures called "conservative mastectomies" are emerging as techniques that combine oncological safety and esthetic outcome by entirely removing the breast parenchyma sparing the breast skin and nipple-areola complex. Staging of the axilla has also gradually evolved toward less aggressive approaches with the adoption of sentinel node biopsy and new therapeutic strategies are emerging in patients with a pathological positivity in sentinel lymph node biopsy. The present special article will highlight the new surgical treatment options, which are more and more effective and respectful of breast cancer patients.

Biography

Associate Professor of General Surgery – Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Catholic University, Rome - Italy. Coordinator of integrated therapies for breast cancer at the Department of Women' and Children's Health, Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Rome - Italy. Senior Staff Surgeon- Breast Unit, Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Rome - Italy. Breast Surgeon with expertise in the surgical treatment of breast tumors and oncoplastic techniques; over 4.000 surgical procedures for breast cancer from 1 January 2010 to 31 October 2020. Author of over 200 scientific papers in international journals and 15 textbook chapters (Orcid ID 0000-0002-2950-339; Scopus Author ID 23027478400). Professor at the School of Specialization in General Surgery, Plastic Surgery and Oncology at the Catholic University of Rome, Italy, from 2013.

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