

**Breast reconstruction with autologous tissue - our clinical experience**

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**Abstract**

*Introduction:* Breast reconstruction after mastectomy gained new grounds since the introduction of autologous tissue and oncoplastic surgery techniques. Nowadays large postoperative breast defects can be treated with high quality tissues obtained by autogenous flap surgery, to achieve the best functional and physical results.

*Objectives:* The purpose of this study is to analyze our results in breast reconstruction using autologous tissue and to emphasize the importance of a multidisciplinary team. *Material and methods:* During a five year period (2005-2009) we performed 28 breast reconstructions after cancer surgery, 15 in delayed and 13 in primary reconstruction, using three types of flaps: latissimus dorsi flap, transverse rectus abdominis myocutaneous flap and deep inferior epigastric artery perforator flap.

*Results:* Functional and cosmetic results were very good, only minor complications such as seroma and hematoma of the donor site and partial/marginal flap necrosis occurred after the surgical procedure. There were no major complications like total flap loss. *Conclusions:* Breast reconstruction with autologous tissue is a safe, well proved, although not easy procedure that confers best functional and cosmetic results and is at the same time oncologically safe.

**Key words:** breast cancer, mastectomy, reconstruction, autologous tissue, oncoplastic breast surgery (OBS)

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