

Cosmetic Value of Collatamp in Breast Conserving Surgery

Authors : Chee Young Kim, Tae Hyun Kim, Anbok Lee, Hyun-Ah Kim, Woosung Lim, Ku Sang Kim, Jinsun Lee, Yoo Seok Kim, Beom Seok Ko

Abstract : Background: Collatamp™ is Gentamicin-containing collagen sponge well known for its hemostatic effect, commonly utilized in surgeries. We inserted Collatamp™ wrapped by Surgicel™ (oxidized cellulose polymer) to fill up the defect after breast conserving surgery. The purpose of this study is to verify the furthermore cosmetic value of Collatamp™ in breast conserving surgery conducted in breast cancer patients. Methods: 17 patients were enrolled in this study, underwent breast conserving surgery with Collatamp™ wrapped by Surgicel™ insertion, in Inje University Busan Paik Hospital from October 2015 to September 2016. Patient satisfaction, cosmetic outcome, results at 6 months from operation was analyzed to verify the effectiveness and usefulness of Collatamp™ for cosmetics. Patient satisfaction was investigated through interviews on a scale of good, fair, poor, and the cosmetic outcome was investigated through physical examination by a surgeon who did not participate in the operations. Results: Among 17 patients, nine of them gave 'good' for patient satisfaction, eight gave 'fair' and none of them 'poor'. Also, cosmetic outcome came out with 11 'good's, six 'fair's, no 'poor'. In 'good' patient satisfaction group, the mean value of resection to breast volume ratio was 16%, compared to 24% of 'fair' group. The mean value of actual resection volume was 100.6cm³, 102.7cm³ each. In 'good' cosmetic outcome group, the mean value of resection to breast volume ratio was 18%, compared to 23% of 'fair' group. The mean value of actual resection volume was 99.2cm³, 105.9cm³ respectively. According to these results, patient satisfaction and cosmetic outcome after surgeries were more reliable on the resection to breast volume ratio, rather than the actual resection volume. There were eight cases of postoperative complications, consisting of a lymphedema, a seroma, and six patients had mild pain. Conclusions: Cosmetic effect of Collatamp™ in breast conserving surgery was more reliable on the resection to breast volume ratio, rather than the actual resection volume. In this short term survey, patients were tend to be satisfied with the cosmetics, all giving either good or fair scores. However, long term outcomes should be further assessed.

Keywords : breast cancer, breast conserving surgery, collatamp, cosmetics

Conference Title : ICCBS 2017 : International Conference on Cosmetic Breast Surgery

Conference Location : Kyoto, Japan

Conference Dates : April 27-28, 2017