

## REDUCING SEROMA FORMATION WITH PRP IN THE LATISSIMUS DORSI FLAP DONOR SITE AFTER BREAST RECONSTRUCTION

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**Aim:** The aim of this study is to gain of the benefit of platelet-rich-plasma (PRP) in reducing seroma formation in the latissimus dorsi flap donor site after breast reconstruction.

**Methods:** The authors evaluated the efficacy of PRP in conjunction with closed suction drainage in a series of 5 latissimus flap donor sites comparing with other 5 patients who underwent breast reconstruction with latissimus dorsi flap operated in traditional way (closed suction drainage without PRP).

**Results:** The PRP patients had clinically detectable postoperative seroma rate of 20% (1 patient) comparing with detectable postoperative seroma rate of 80% (4 patients) among the untreated patients. Seroma measurements have been done on 8<sup>th</sup> postoperative day in both groups.

**Conclusion:** Despite only a few patients (5) treated with PRP, the use of PRP in latissimus flap donor site seems to be effective in reducing postoperative seroma. Further research in form of controlled trials is required.