

# **Tissucol application in dermolipectomy and incisional hernia repair.**

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## **Abstract:**

Biological adhesives have a lot of applications in surgical procedures. Here we present a prospective study with the aim of analyzing results of the application of Tissucol between the muscle layers and subcutaneous tissue after incisional hernia repair with polypropylene mesh and associated dermolipectomy. We assess clinical and technical parameters, local morbidity, and hospital stay. Fifty-six patients were divided into two groups. Patients with whom we used fibrin glue were older, with more obesity ( $P < 0.005$ ) with associated diseases, and their incisional hernias were larger and more complicated to repair. Patients in the Tissucol group developed less local morbidity (hematomas or abscesses;  $P < 0.01$ ), had a shorter mean hospital stay ( $P < 0.01$ ), and required less wound care. The use of Tissucol improves the results of surgical repair of large abdominal incisional hernias repaired by mesh placement and dermolipectomy, and it decreases global morbidity and hospital stay are reduced.