

# **The use of aerosolized fibrin glue in face-lift surgery.**

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## **Abstract:**

The purpose of this study was to report the use of aerosolized fibrin glue in face-lift surgery. A prospective study was conducted of 48 patients undergoing face-lift surgery sequentially assigned into two groups. The first 24 patients underwent face lifts without glue and the next 24 patients with the use of aerosolized fibrin glue. One surgeon (J.P.F.) performed all the face lifts using the same technique. Drains were only used in those patients who did not receive fibrin glue. The amount of bruising and edema was compared in the two groups, as was the incidence of complications, such as hematomas. Operating time was also assessed in the two groups. The patients in whom glue was used had significantly less bruising and swelling ( $p < 0.0001$ ), with a more rapid healing response. The risk of hematoma was also less with the use of glue (0 percent) than without glue (8.3 percent), but this was not statistically significant ( $p = 0.489$ ). Another benefit was that drains were not needed when glue was used. Operating times were shorter by 13.3 minutes with the use of glue ( $p < 0.0001$ ). Aerosolized fibrin glue has great promise in improving face-lift results, with excellent outcomes and fewer complications. The added cost of the glue is partially offset by an expedited patient recovery period without the need for drains.