

# **Clinical evaluation of application of polyglycolic acid sheet and fibrin glue spray for partial glossectomy.**

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## **Abstract:**

**Purpose:** The aim of this study was to evaluate the usefulness of covering open wounds with a polyglycolic acid (PGA) sheet and a fibrin glue spray after partial glossectomy. Materials and

**Methods:** We clinically evaluated postoperative pain and scar contracture in 44 patients who underwent partial glossectomy followed by covering with a PGA sheet and a fibrin glue spray (PGA sheet group), as compared with 29 patients who were closed primarily (primary closure group).

**Results:** Duration of nonsteroidal anti-inflammatory drugs was almost the same between the PGA sheet group and the primary closure group. The degree of scar contracture was mild in many cases in both groups. In the case in which the excision area was wide and depth was shallow, there was a tendency for the scar contracture to be less in the PGA sheet group. **Conclusions:** Our findings showed that the use of a PGA sheet and fibrin glue spray for open wounds resulting from partial glossectomy was useful in terms of rapid relief from postoperative pain and prevention of scar contracture. © 2013 American Association of Oral and Maxillofacial Surgeons.