

# **Osteoregenerative lateral suboccipital craniectomy using fibrin glue.**

## **Technical note.**

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### **Abstract:**

This report describes a simple technique of cranioplasty for suboccipital craniectomy and the results of a clinical study to assess the effects of fibrin glue on regeneration of the skull. Cranioplasty using a mixture of autologous bone chips and human allogenic fibrin glue was performed in 31 patients who received lateral suboccipital craniectomy. Long-term observations with three-dimensional CT showed satisfactory reconstruction of the mastoid-occipital bone plate in 25 patients (81%); among them, a nearly complete reconstruction of the occipital bone (plate) was found in 14 patients. Regeneration of the bone began 6 months after surgery on the inner surface, adjacent to the dura mater. In conclusion, the present technique provides a new simple method to restore an autologous bone plate in a cranial defect made by piecemeal craniectomy.