

# **Neurosurgical applications of fibrin glue: augmentation of dural closure in 134 patients.**

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Publication Date: 1990

## **Abstract:**

In a wide variety of neurosurgical procedures performed on 134 patients over a 3-year period, fibrin glue has been applied as an adjunct to dural closure. Overall success at preventing cerebrospinal fluid (CSF) leakage was 90% (121 of 134, 90% effective). In patients considered to be at high risk for CSF leakage intraoperatively but without pre-established fistulae (Group 1), the success rate was higher (111 of 119, 93% effective). In patients with pre-established CSF fistulae (Group 2), the success rate was lower (10 of 15, 67% effective). As single donor sources of concentrated fibrinogen are now available with reduced risks of blood-borne disease transmission, fibrin glue may be a valuable clinical tool for the neurosurgeon.