

## NEUROSURGERY

The outflow of the cerebrospinal fluid (CSF) may occur at different sites leading to three major leaks: from the nose after trauma or surgery (CSF rhinorrhea); in the ear through weaknesses in the roof of the middle ear (CSF otorrhea); spinal CSF leak after surgery or after diagnostic and therapeutic procedures.

Treatment of CSF leaks include hydration, steroids, blood patches, fibrin glue, or surgery. In many case fibrin glue is effective. Treatment with the platelet gel is a variation of the therapy with fibrin glue.

Using platelet gel, successful closure of incidental dural tears without recurrence of cerebral spinal fluid leak has been reported. Platelet gel is also useful to **prevent the SCF leak** in skull base surgery, acoustic surgery, intradural procedures.

Owing to the growth factor content in platelet gel we do not encourage the use of platelet gel as a measure to prevent SCF leaks after tumor surgery.