

Fibrin tissue adhesive sealant for the prevention of CSF leakage following transsphenoidal microsurgery.

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Abstract:

Fibrin glue (Beriplast, Behring or Tissucol, Immuno) was used for 126 sublabial transseptal transsphenoidal operations in 119 patients from April 1981 to March 1987 in a variety of sellar pathologies together with septal bone and spongycel to seal the sellar floor and the anterior wall of the sphenoid sinus. The incidence of postoperative rhinorrhea was 1.6%. A review of the literature revealed an incidence of 1.5%-9.6% with the use of autologous tissue for sellar packing such as fat or muscle; fibrin glue combined with autologous grafts led to postoperative rhinorrhea in 1%-4.4%. The present results support the view that sellar and sphenoidal sealing with fibrin glue instead of muscle or fat tissue does not raise the incidence of postoperative rhinorrhea.