

Comparison of Fibrin Glue and Sutures for Conjunctival Closure in Pars Plana Vitrectomy.

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Publication Date: 2007

Abstract:

Purpose: Evaluating whether fibrin glue causes less postoperative pain, discomfort, and sick leave in conjunctival closure following 20-gauge pars plana vitrectomy than sutures. Design: Retrospective study. Methods: A questionnaire was sent in 2006 to 506 patients who underwent 20-gauge pars plana vitrectomy in 2004 at University Hospital, Leuven, Belgium. Postoperative pain, eye discomfort, and sick leave duration were determined. Results: The patients in the glue group had a shorter duration of eye redness ($P = .0471$), eye discomfort ($P = .0376$), and ointment use ($P = .0105$). The patients in the glue group used less ointment ($P = .0038$), had shorter sick leave with independent workers ($P = .0292$), and experienced less pain on the first postoperative day after vitrectomy without cerclage ($P = .0340$). Conclusions: Fibrin glue causes less postoperative pain, discomfort, and sick leave for closure of conjunctival wounds in 20-gauge pars plana vitrectomy than sutures, and therefore, appears in our hands to be a better alternative to sutures. © 2007 Elsevier Inc. All rights reserved.