

Tissue adhesives as an alternative for conjunctival closure in strabismus surgeries.

Authors: Basmak H, Gursoy H, Cakmak AI, Niyaz L, Yildirim N, Sahin A

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Abstract:

PURPOSE: Comparison of conjunctival closure with fibrin glue and conventional closure in strabismus surgeries.

METHODS: Twenty-nine patients undergoing strabismus surgery were studied. Group 1 included twelve cases in whom Tisseel was used for closure and group 2 included seventeen cases in whom 7/0 Vicryl was used. Severity of redness, watering, pain, and discomfort in opening eyes were evaluated postoperatively.

RESULTS: In the first hour, severe pain was experienced in both groups without statistical significance; but in group 1, pain was less severe in the 12th and 24th hour ($P < .0001$). After the first hour severity of watering was less in group 1 ($P < .0001$). Discomfort in opening eyes was detected in fifteen patients in group 2 in the first 12 hours where only one case with fibrin glue had discomfort. In the second week, no differences in severity of complaints were seen.

CONCLUSIONS: Conjunctival closure with Tisseel following strabismus surgery might be an alternative to suturing.