

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Strabismus - (Sta. Casa/USP) N° CEP

Effect of Triamcinolone on Strabismus Surgery in the Rabbit

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Abstract

Purpose: To evaluate the efficiency of Triamcinolone (TRI) in limiting postoperative inflammatory response and scarring following strabismus surgery in rabbits. **Methods:** A prospective, two-stage, masked, controlled trial was conducted. In the first stage, the inflammatory response at the extraocular reattachment site of ten rabbits was assessed, following superior rectus recession. In the second stage, TRI (40mg/ml) was applied during surgery to one single eye of 16 rabbits, submitted to superior rectus recession, whereas, saline solution was applied to the fellow eye (control eye). Fifteen days later, exenteration was performed, and the sites of muscle reattachment were valuated histopathologically for evidence of scarring, granuloma formation and muscle tissue changes. **Results:** TRI- treated eyes had a lower rate of inflammatory response compared to their control eyes. **Conclusions:** Intraoperative use of TRI was effective in controlling the postoperative inflammatory response in rabbit eyes following extraocular muscle surgery.