

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo PIBIC

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Service (sector)
Refractive Surgery

Nº CEP

Intravitreal tissue plasminogen activator in the treatment of experimental vitreous hemorrhage.

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Paranhos Jr., A; Farah, M.E.

Purpose: To determine the efficacy of intravitreal Tissue Plasminogem Activator (tPA) in promoting short-term clearance of vitreous hemorrhage.

Methods: Autologous 0.4 ml blood was transsclerally injected into the vitreous of 11 New Zealand white rabbits. One day later, 0.2 ml (50 micrograms) of tPA was injected into the vitreous in 5 eyes and saline was injected into 6 controls. Vitreous hemorrhage was graded based on the total sum of the visibility of retinal details in each quadrant.

Results: No statistically significant reduction of the vitreous hemorrhage clearance was seen in the tPA injected group. However, 4 of 5 rabbits (83%) showed anterior vitreous opacities, which disturbed the visibility of retinal details.

Conclusion: Tissue Plasminogem Activator does not change the clearance of vitreous hemorrhage in our models.