

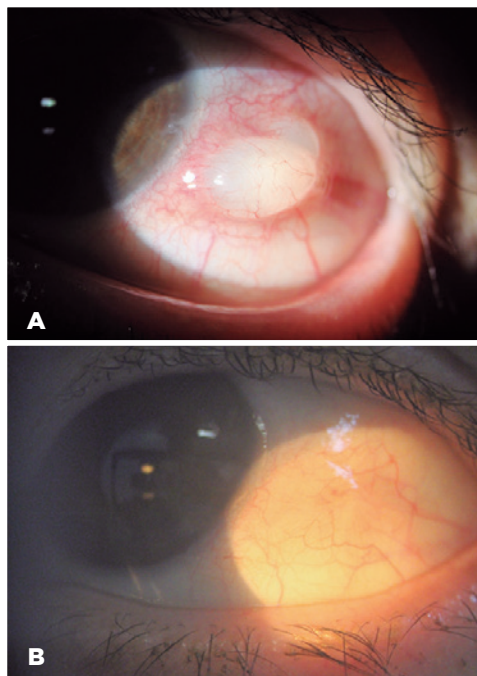
Resolution of post-trauma conjunctival inclusion cyst using 0.5% timolol maleate eyedrops

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A 70-year-old woman presented with a conjunctival cyst after a towel hit her left eye (LE) 2 weeks prior. She was initially prescribed with retinyl acetate, aminoacids, methionine, and chloramphenicol ointment as well as a lubricant eyedrop for 7 days; these did not provide resolution. Ophthalmological examination revealed a translucent conjunctival inclusion cyst surrounded by several small vessels in the LE temporal side (Figure 1A). Following administration with 0.5% timolol maleate eyedrops twice daily, the inclusion cyst completely resolved 2 weeks later. Figure 1B shows the conjunctiva of the LE 50 days after the patient's initial presentation.



Although rare, acquired conjunctival cysts⁽¹⁾ may develop due to local trauma. Surgical excision is usually indicated⁽²⁾. Before excision, timolol maleate was initially prescribed, hypothesizing that the vessels surrounding the cyst might possess beta-adrenergic receptors similar to pyogenic granulomas and capillary hemangiomas^(3,4), which are effectively treated with beta-blockers.

AUTHORS' CONTRIBUTION

Substantial contribution to conception and design: Rosalia Antunes-Foschini, Lívia Feitosa Alves. **Acquisition of data:** Rosalia Antunes-Foschini. **Analysis and interpretation of data:** Rosalia Antunes-Foschini. **Drafting of the manuscript:** Lívia Feitosa Alves. **Critical revision of the manuscript for important intellectual content:** Rosalia Antunes-Foschini, Lívia Feitosa Alves. **Have given final approval of the submitted manuscript:** Rosalia Antunes-Foschini, Lívia Feitosa Alves. **Statistical analysis:** not applicable. **Obtaining funding:** not applicable.

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Submitted for publication: November 13, 2023

Accepted for publication: February 2, 2024

Funding: This study received no specific financial support.

Disclosure of potential conflicts of interest: None of the authors have any potential conflicts of interest to disclose.

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