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Intravitreal drug administration for the treatment of noninfectious uveitis

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Abstract

Intravitreal treatment became popular with the discovery of blood ocular barriers, which significantly limit drug penetration in systemic or topical administration. As the mainstay of treatment in noninfectious uveitis (NOIU) is still corticosteroids, triamcinolone acetonide (TA) was the first intravitreally used agent in this subset of patients. Although it was very effective in controlling inflammation and improving the inflammation related complications, TA was found to have a high rate of intraocular complications and a relatively short half-life necessitating frequent reinjections. Other systemically used therapeutic options such as methotrexate and anti-TNF α agents were also tried intravitreally. Additionally anti-VEGF agents that are widely used intravitreally in the management of diabetic retinopathy and age related macular degenerations have become an option to control the uveitis related complications like macular edema, retinal and choroidal neovascularizations. Advances in biotechnology led to the slow release biodegradable implant era. These implants have a longer



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作者: G Modorati - 2012 - 被引用次数: 10 - 相关文章

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