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Case Report

Efficacy of Tocilizumab in Two Patients with anti-TNF-alpha Refractory Uveitis

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Abstract

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Purpose: To report on two patients with refractory uveitis treated with tocilizumab; a new humanized monoclonal antibody against the interleukin-6 receptor (IL-6R).

Design: Retrospective interventional case series.

Figures & data

Methods: Both patients received a monthly infusion of tocilizumab 8 mg/kg; associated with corticosteroids. Outcome measures were visual acuity and central retinal thickness evaluated with optical coherence tomography.

Results: An improvement in visual acuity and a decrease in macular edema were observed in these two patients.

Conclusions: Tocilizumab seems to be a promising treatment in refractory uveitis. A prospective study is needed to evaluate the role of this new agent in the management

of refractory uveitis.

Keywords::

Immunosuppressive therapy

Refractory uveitis

Tocilizumab

Uveitis

Declaration of interest: The authors report no conflicts of interest. The authors alone are responsible for the content and writing of the paper.

Related Research Data

Clinical Review: Anti-TNF α Therapies in Uveitis: Perspective on 5 Years of Clinical

Experience

Source: Ocular Immunology and Inflammation

Tocilizumab for rheumatoid and juvenile idiopathic arthritis

Source: The Lancet

The role of cytokines in the regulation of ocular autoimmune inflammation

Source: Cytokine & Growth Factor Reviews

Involvement of Th17 cells and the effect of anti-IL-6 therapy in autoimmune uveitis

Source: Rheumatology

Blockade of interleukin-6 signaling suppresses experimental autoimmune uveoretinitis

by the inhibition of inflammatory Th17 responses

Source: Experimental Eye Research

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