

عنوان مقاله:

Effects of repeated intravitreal bevacizumab administration on anterior segment parameters and limbal stem cells

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خلاصه مقاله:

Abstract Background: Macular edema (ME) is fluid accumulation in the macula caused by vascular leakage. Repeated intravitreal bevacizumab (IVB) injections are extensively used to treat ME of different origins, are well tolerated, and have few side effects. This study evaluated the effects of repeated IVB injections on the anterior segment parameters and limbal stem cells (LSCs) in eyes with ME. Methods: This before after study involved patients with ME of different causes who underwent repeated IVB injections at the Imam Khomeini Ophthalmology Center in Kermanshah, Iran. Before and after repeated IVB injections, anterior segment parameters were measured using anterior segment optical coherence tomography, and the LSCs were assessed using impression cytology. Results: We enrolled $\mathbf{Y}\mathbf{Y}$ eyes of $\mathbf{Y}\mathbf{Y}$ patients with a mean (standard deviation [SD]) age of $\Delta^{0}\mathcal{F}(\mathbf{Y},\mathcal{F})$ years, of whom $\mathbf{Y}\Delta(\Delta^{0},\Delta^{0})$ were men and $\mathbf{Y}(\mathbf{Y},\Delta^{0})$ were women. The underlying diseases included diabetic ME in \mathbf{Y} eyes ($\mathbf{Y},\mathbf{Y}^{0}$), central (Δ [$\mathbf{V},\mathbf{A}^{0}$]) or branch (\mathbf{Y} [$\mathbf{V},\mathbf{N}^{0}$]) retinal vein occlusion, and choroidal neovascularization in \mathbf{F} eyes (\mathbf{Y},Δ^{0}). The right eye was affected in \mathbf{Y} ($\Delta^{1},\mathbf{F}^{0}$) participants. The mean (SD) number of IVB injections was \mathbf{F},\mathbf{Y} (\mathbf{V},\mathbf{T}). After repeated ingle (aCA) and anterior chamber depth (ACD) decreased (all P< \cdots). Three patients developed LSC deficiency after repeated IVB injections in our series. Three patients developed LSC deficiency after repeated IVB injections in our series. Three patients developed LSC deficiency after repeated IVB injections in our series. Three patients developed LSC deficiency after repeated IVB injections in our series. Three patients developed LSC deficiency after repeated IVB injections in our series. Three patients developed LSC deficiency after repeated IVB injections in our series. Three patients developed LSC deficiency after repeated IVB injections in our series. Three patients

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