

Terapia cukrzycowego obrzęku plamki

Therapeutic Approaches for Treatment of Diabetic Macular Edema

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Summary:

Diabetic macular edema is an ocular complication of diabetes mellitus, leading to significant visual impairment. The pathogenesis of diabetic macular edema occurs through the interaction of multiple molecular mediators, including the overexpression of several growth factors, including vascular endothelial growth factor, angiopoietin-1, and -2, insulin-like growth factor-1, etc. These growth factors mediate endothelial cell proliferation, angiogenesis, protease production. Treatment for diabetic macular edema involves primary management of diabetes mellitus, laser photocoagulation, and pharmacotherapeutics targeting mediators, namely, the anti-vascular endothelial growth factor pathway. The introduction of anti-vascular endothelial growth factor therapies has resulted in significant clinical improvements compared to laser photocoagulation alone. However, the presence of anti-vascular endothelial growth factor non-responders and multiple factors influencing the visual outcome after anti-vascular endothelial growth factor treatment have necessitated the development of new therapeutic approaches. In this review, we provide an analysis of current management strategies to the treatment of diabetic macular edema.

Key words:

diabetic macular edema (DME), laser photocoagulation, intravitreal injection, vascular endothelial growth factor (VEGF), novel pharmacotherapy, therapeutics.

Słowa kluczowe:

cukrzycowy obrzęk plamki (DME), laseroterapia, iniekcje doszklistkowe, czynnik wzrostu śródblonka naczyniowego (VEGF), nowe terapie, leczenie.