

Intravitreal Cell-Encoated Drug Therapy

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Purpose. The intravitreal cell-based production and delivery of drugs to maintain and improve structure and function of the retina including the optic nerve may become a possibility for the prevention and treatment of retinal and optic nerve diseases.

Methods. The technologies which have been available so far will be presented.

Results. Future developments including new drugs to be produced in the vitreous cavity will be discussed. This intraocular drug production may allow the continuous delivery of the substances for a period of several months.

Conclusion. Intraocular cell-based production and delivery of drugs may become an important new avenue for the therapy of retinal and optic nerve degenerations and dystrophies.