1 Abstract

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Title of Thesis: Dosage forms in therapy of posterior segments of the eye.

Therapy of the posterior eye segments is very difficult. Because most of diseases of the posterior eye segments could lead to complete blindness, the research of dosage forms for the drug delivery into this eye part is intensively developing at this moment.

The aim of this thesis is to provide a review of anatomical and physiological specifics of both-anterior and posterior segments of the eye. The most common diseases of the posterior eye are referred to, for example the age related macular degeneration and/or the cytomegalovirus retinitis.

There are various routes of application and drug dosage forms that are used for the therapy and which are mentioned in this work, including the drug delivery and targeting systems.