

Significance of ocular stem cells in tissue engineering of the eye

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Abstrak

Masalah kebutaan adalah salah satu masalah kesehatan yang memprihatinkan. Kedokteran regeneratif lewat rekayasa jaringan dan optimalisasi regenerasi jaringan melalui sel induk lokal atau transplantasi sel induk telah mendapat banyak perhatian. Tinjauan pustakan kali ini membahas penemuan penting sel induk mata dan eksperimen in vivo transplantasi sel induk serta tren terkini di bidang rekayasa jaringan mata.

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Abstract

Blindness is one of the most devastating condition for mankind. Regenerative medicine through tissue engineering and optimizing tissue regeneration through local adult stem cell differentiation or stem cell transplantation has received a lot of attention. This review presents highlights in the discovery of ocular stem cell and in vivo experiment for stem cell transplantation and current trends in tissue engineering of the eye.