

Stem cells may help improve corneal wound healing

31 July 2017

A new review is the first to directly examine the role of various stem cells in the healing of wounded cornea, the outermost part of the eye. In contrast with most other reviews, it covers all major corneal cell types in a comprehensive way, showing similarities and differences in the healing process and the usage of stem cells for therapy.

Corneal wound healing is a complex process that occurs in response to various eye injuries and surgery. Delayed, incomplete, or excessive healing is a significant clinical concern. The review presents evidence on the participation of [stem cells](#) in corneal wound healing and highlights how stem cell transplantation may be used to fine tune wound healing and provide benefits for patients.

"The advances in transplant techniques and the range of available cell sources that can be used to optimize the treatment of aberrant corneal wound healing can give reassurance to patients with corneal injuries that preserving vision may be possible in the near future," wrote the authors of the *Stem Cells* review.

More information: Mehrnoosh Saghizadeh et al, Concise Review: Stem Cells for Corneal Wound Healing, *Stem Cells* (2017). [DOI: 10.1002/stem.2667](#)

Provided by Wiley

APA citation: Stem cells may help improve corneal wound healing (2017, July 31) retrieved 17 April 2021 from <https://medicalxpress.com/news/2017-07-stem-cells-corneal-wound.html>

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