



State of the Art of Corneal Transplantation

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Message from the Guest Editors

Corneal transplantation has dramatically evolved over the last two decades. It is beneficial to patients and clinicians to shift from a one-fit-all transplantation (penetrating keratoplasty, PKP) to custom fit corneal grafting adjusted to a specific indication. Anterior lamellar diseases, such as corneal scars, keratoconus and inflammatory conditions, are most likely treated with anterior lamellar keratoplasty, i.e., deep anterior lamellar keratoplasty (DALK), whereas posterior lamellar pathologies, mostly Fuchs' endothelial dystrophy (FED) and posterior polymorphous corneal dystrophy (PPCD), are treated with posterior lamellar keratoplasty, namely Descemet's stripping automated endothelial keratoplasty (DSAEK) and Descemet's membrane endothelial keratoplasty (DMEK). This explains the drastic decrease in the number of PKPs performed in recent years, with a shifting trend towards lamellar keratoplasty.

"The State of the Art of Corneal Transplantation" is a Special Issue that focuses on presenting both original research and review articles on the recent developments in corneal transplantation surgery.





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