



Corneal Surgery: Latest Advances and Prospects

Guest Editors:

Dr. Augusto Pocobelli

San Giovanni Addolorata
Hospital, UOC Oftalmologia,
Banca degli Occhi, Rome, Italy

Dr. Fabio Scarinci

San Giovanni Addolorata
Hospital, UOC Oftalmologia,
Banca degli Occhi, Rome, Italy

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Message from the Guest Editors

Corneal surgery and treatments have become an important addition to the ophthalmic procedure armamentarium in clinical practice, with corneal transplantation being the most performed transplant worldwide. Also, the latest advances in corneal surgery, including the use of new biomaterials and novel techniques such as laser platforms, have provided ophthalmologists with well-established and safer treatments to restore ocular integrity and the patient's vision.

The availability of donated corneas, thanks to the activities of Eye Banks, is a prerequisite for successful transplantation and the accessibility of corneal tissue. The preservation methods encompass the responsibilities of procuring, preserving, ensuring quality control, and preparing tissues for the operation theater. Furthermore, in recent years, imaging analysis of the cornea has improved allowing for quantitative as well as qualitative evaluation of several corneal parameters that represent biomarkers of disease progression.

This Special Issue seeks to outline studies targeting the latest developments in surgery for various corneal diseases.





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Editors-in-Chief

Prof. Dr. Emmanuel Andrès

Internal Medicine Department,
University Hospital Strasbourg,
67000 Strasbourg, France

Prof. Dr. Kent Doi

Department of Acute Care
Medicine, University of Tokyo,
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Journal of Clinical Medicine Editorial
Office
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