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Ocular Biomechanics

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Message from the Guest Editors

Dear Colleagues,

The evaluation of ocular biomechanics, over the last two decades, has led to improved understanding of pathologies affecting the anterior and posterior segments of the eye. However, the accurate evaluation of corneal biomechanics and the biomechanical effect of CXL and intracorneal ring implantation is highly desirable as a necessary pre-requisite for the optimization of these treatment regimes.

Ocular biomechanics are also important in the field of glaucoma. A number of studies have shown that biomechanics are associated with progressive visual field loss in certain forms of glaucoma.

In this Special Issue, we aim to gather together high-quality articles mainly focused on the assessment of ocular biomechanics and their effect on the development and progression of ocular diseases. We are particularly interested in articles focused on the evaluation of corneal biomechanics in vivo, and the role they play in the progression of glaucoma, keratoconus and other forms of ectasia.

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Special Issue



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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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