

Special Issue

Clinical Implications of Pupil Function: Optical Quality, Visual Performance, and Neurological Biomarkers

Message from the Guest Editors

This Special Issue will explore the clinical implications of pupil function across a range of diagnostic, pharmacological, and surgical applications. Topics of interest include the effect of pupil size on visual quality and acuity; optimization of multifocal and small-aperture IOLs; surgical outcomes influenced by pupil dynamics; pharmacologic modulation of the pupil; pupillometry in disease detection; and age-related changes in iris biomechanics. We welcome original research, reviews, and clinical studies from ophthalmology, optometry, neuro-ophthalmology, and vision science. By bridging optical mechanisms with translational and clinical practice, this Special Issue will highlight how understanding and managing pupil behavior can enhance both visual outcomes and systemic health assessment.

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Message from the Editor-in-Chief

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