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Special Issue Reprint

Advances in Glaucoma Management and Intraocular Pressure Physiology

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“Advances in Glaucoma Management and Intraocular Pressure Physiology” brings together a comprehensive collection of cutting-edge research on glaucoma, emphasizing both clinical and translational innovations. This reprint highlights innovative clinical and translational studies on aqueous outflow physiology, intraocular pressure measurement, and glaucoma management. Further, it explores groundbreaking developments in pressure-independent neuroprotection, dynamic intraocular pressure monitoring, and ocular biomechanics, which offer insights into glaucoma progression and management. The collection encompasses diverse topics, including the efficacy of novel therapeutics like Rho-kinase inhibitors, the evolving role of minimally invasive glaucoma surgery (MIGS), and advancements in imaging and diagnostic techniques. Key studies investigate retinal ganglion cell function post treatment, 24- and 48-hour intraocular pressure profiles, and the implications of anti-VEGF therapy in glaucoma management. Other contributions address unique challenges in uveitic and pediatric glaucoma while exploring new surgical and medical targets. This reprint serves as an essential resource for clinicians, researchers, and specialists aiming to deepen their understanding of glaucoma's complexities and enhance therapeutic approaches to this sight-threatening disease.

