3rd International Conference on Glaucoma

October 11-12, 2022 | Osaka, Japan

Molecular Genetics of Glaucoma

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Abstract (600 Word Limit)

Glaucoma, the world's leading cause of irreversible blindness, is a complex disease, with differential presentation as well as ethnic and geographic disparities. The multifactorial nature of glaucoma complicates the study of genetics and genetic involvement in the disease process. This review synthesizes the current literature on glaucoma and genetics, as stratified by glaucoma subtype and ethnicity. Primary open-angle glaucoma is the most common cause of glaucoma worldwide, with the only treatable risk factor being the reduction of intraocular pressure. However, there are variations in RF and genetic factors based on ethnic and geographic differences; it is clear that unified molecular pathways accounting for POAG pathogenesis remain uncertain, although inflammation and senescence likely play an important role (600 word limit).

Importance of Research (200 Word Limit)

Glaucoma is the world's leading cause of irreversible blindness, implicated in approximately 12% of cases globally. Glaucoma represents a degenerative optic neuropathy characterized by the progressive degeneration of retinal ganglion cells and the retinal nerve fiber layer (RNFL), which leads to corresponding visual field defects. While the major risk factor (RF), and only modifiable RF, for disease onset and progression is an elevated intraocular pressure (IOP), the pathogenesis of the disease is both multifactorial and still poorly understood (200 word limit).

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Biography (200 Word Limit)



Harris T has his expertise in evaluation and passion in improving the health and wellbeing. His open and contextual evaluation model based on responsive constructivists creates new pathways for improving healthcare. He has built this model after years of experience in research, evaluation, teaching and administration both in hospital and education institutions. Harris pursued in the University of Miami Miller School of Medicine, Miami, USA (200 word limit)

About Institute/Lab (200 Word Limit)

The University of Miami Leonard M. Miller School of Medicine is the graduate medical school of the University of Miami. Founded in 1952, it is the oldest medical school in the state of Florida (200 word limit).

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