



*Special Issue Reprint*

## Intraocular Pressure and Ocular Hypertension

[www.mdpi.com/books/reprint/6013](http://www.mdpi.com/books/reprint/6013)

Edited by

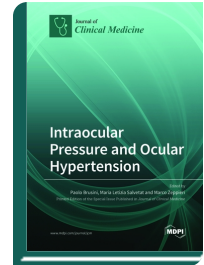
Paolo Brusini

Maria Letizia Salvetat

Marco Zeppieri

ISBN 978-3-0365-5100-5 (Hardback)

ISBN 978-3-0365-5099-2 (PDF)



Primary open-angle glaucoma (POAG) is a multi-factorial progressive optic neuropathy characterized by retinal ganglion cell degeneration and progressive visual field loss which, if left untreated, may lead to blindness. Increased intraocular pressure (IOP) is considered to be the main risk factor for developing POAG, and its reduction has been shown to correlate with a decrease in glaucoma incidence and progression. Considering that fewer than 10% of the subjects with ocular hypertension (OHT) will develop morphological and/or functional glaucomatous damage within 5 years if not treated, glaucoma causes and molecular changes leading to ocular tissue damage in glaucoma are still largely unknown. The contemporary treatment of POAG is mainly oriented towards reducing IOP; the importance of the IOP reduction in other types of glaucoma, such as the “normal pressure glaucoma”, is still discussed. The IOP value is maintained by balancing the amount of fluid contained within the anterior and posterior chambers of the eye; our comprehension of the mechanisms underlying the secretion and active and passive outflow of the aqueous humor is extremely important for improving the treatment of glaucoma. Innovative pharmacological approaches, and laser and surgical procedures aiming to reduce IOP, have been developed in recent years. This book provides a compendium of topics regarding IOP, aqueous humor dynamics, tonometry, and medical and surgical techniques developed to reduce the IOP in subjects with ocular hypertension or glaucoma.



Order Your Print Copy

You can order print copies at

[www.mdpi.com/books/reprint/6013](http://www.mdpi.com/books/reprint/6013)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



## Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



## Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



## High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



## Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.