

Special Issue

Clinical Advances of Glaucoma: Current Status and Prospects

Message from the Guest Editors

Glaucoma currently encompasses a group of chronic and progressive diseases with no single and definitive treatment. The use of hypotensive eye drops entails a series of limitations, such as difficulty in patient compliance, lack of response in some patients, and prolonged use leading to alterations in the ocular surface. Another treatment option is laser, but its hypotensive effect is of limited duration, and it is not free of complications. Filtering surgery is usually the most effective procedure for reducing intraocular pressure, but it is relatively frequently associated with the presence of complications such as hypotony, blebitis, etc. In recent years, surgical techniques have been sought that are effective in the long term with a lower incidence of complications and that are simple and easily reproducible. In this regard, multiple devices have recently been designed that facilitate the exit of aqueous humor in a minimally invasive manner through different routes: trabecular meshwork, suprachoroidal space, and subconjunctival space. In addition, widely known technology, such as the excimer laser or the femtosecond laser, is being implemented in glaucoma surgery.

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