1. Record Nr. UNINA9910974974303321

Titolo	Eye infections, blindness and myopia / / Jeffrey Higgins and Dominique Truax, editors
Pubbl/distr/stampa	New York, : Nova Biomedical Books, c2009
ISBN	1-61209-766-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xiii, 274 pages) : illustrations (some color)
Collana	Eye and vision research developments series
Altri autori (Persone)	HigginsJeffrey TruaxDominique
Disciplina	617.7/1
Soggetti	Eye - Infections Blindness Myopia Drug resistance in microorganisms Ophthalmic drugs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Role of endotamponading substances in the management of endophthalmitis / Javier A. Montero ... [et al.] -- Etiological agents of keratitis : an epidemiological study from a tertiary care center / S. Malhotra, D.K. Mehta and P. Kumar -- Design and implementation of a randomized myopia intervention trial testing the efficacy of atropine and multi-focal lenses / Yung-Feng Shih ... [et al.] -- Surgical treatment for myopic mascular retinoschisis / Takayuki Baba and Shuichi Yamamoto -- Refractive, topographic and biometric changes after scleral buckling / Carlos Alexandre de Amorim Garcia ... [et al.] -- Limitations of current antibiotics for ocular infections / Keith W. Ward, Heleen H. DeCory and Praveen Tyle -- Eye infections : causes, effects and treatment / Kitthisak Kitthaweesin ... [et al.]. Ocular bacterial infections / Hiroshi Toshida and Chikako Suto -- Primary congenital glaucoma : a review / Jaime Levy -- Surgery anesthesia and blindness / Vincenzo Fodale ... [et al.] -- "Laser correction of myopia" / Leopoldo Spadea and Lucia Di Genova -- Atropine controlling myopic progression in Taiwanese schoolchildren / Yung-Feng Shih ... [et al.] -- An ON and OFF solution for myopia : how

	the ionic balance underlying retinal ON and OFF systems affects ocular growth / Melanie J. Murphy, Sheila G. Crewther and David P. Crewther -- Novel therapies for bacterial keratitis / Mary E. Marquart, Quincy C. Moore III and Richard J. O'Callaghan.
Sommario/riassunto	Bacterial eye infections are among the leading causes of vision loss and ocular morbidity, yet the widespread use of antibiotics, particularly in combating systemic infections, has led to increased resistance. This book describes studies that have reported resistance to fourth-generation fluoroquinolones used for treating ocular infections. Achieving optimal therapeutic outcomes, which will require new antimicrobial agents with less potential for promoting resistance is also discussed. This book explores endophthalmitis as an intraocular inflammation mainly involving the ocular fluids. Pseudomonas aeruginosa is also reviewed, which is a major opportunistic pathogen and a common cause of bacterial keratitis, especially in contact lens wearers. The new classes of antibiotics have offered alternatives to treat this otherwise antibiotic-resistant bacteria but reports of continued resistance indicate the need for novel areas such as the use of immunizations with attenuated strains of bacteria and treatment with non-antibiotic compounds. Myopia is the most common eyesight problem in the world and is often mild and there are no serious problems. However, it may sometimes lead to blindness. This book explores laser as a way to correct myopia as well as a study of myopia. Finally, this book includes two approaches to resolve myopic macular retinoschisis; one is an approach from inside the eye and the other is from outside the eye. An investigation of eyes for corneal, refractional, and biometric changes, which resulted in the conclusion that there is a statistically significant myopic shift after scleral buckling surgery, is evaluated.