

1. Record Nr.	UNINA9910411939803321
Titolo	Choroidal Neovascularization // edited by Jay Chhablani
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-2213-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVII, 433 p. 171 illus., 159 illus. in color.)
Disciplina	320.1
Soggetti	Ophthalmology Coroide Oftalmopaties Oftalmologia Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section I: History -- History of choroidal neovascularization (CNV) - initial understanding and development -- Section II: Basics -- Pathogenesis – various proposed mechanisms -- Histopathology – recent understanding in relationship with imaging -- Electron microscopy – update in choroidal changes -- Section III: Clinical classification -- Neovascular age-related macular degeneration (AMD) – clinical features, imaging, protocols and outcomes -- CNV secondary to pathologic myopia – clinical features, imaging and treatment outcomes -- Pachychoroid related CNV – recent updates, imaging and outcomes -- Inflammatory CNV – clinical features, imaging and treatment outcomes -- Dystrophy related CNV – clinical features, imaging and treatment outcomes -- CNV secondary to angioid streaks – clinical features, imaging and treatment protocols -- Idiopathic CNV – clinical features, imaging and treatment outcomes -- CNV associated with idiopathic juxtafoveal telangiectasia – clinical features, imaging and treatment outcomes -- CNV associated with other causes – laser induced, idiopathic intracranial hypertension, choroidal osteoma, trauma, choroidal coloboma, choroidal nevus, etc -- Peripapillary CNVM – overview of various causes, imaging features and treatment outcomes -- Pediatric CNVM – overview of various causes, imaging

features and treatment outcomes -- Polypoidal choroidal vasculopathy (PCV) – clinical features, imaging and treatment outcomes -- Section IV: Treatment options -- Anti-VEGF current options – Ranibizumab, Bevacizumab, Aflibercept, Ziv-aflibercept, Conbercept -- Photodynamic therapy – current status in anti-VEGF era -- Surgical intervention – graft, retinal implant, the implantable miniature telescope, surgical removal of CNV, subretinal tissue plasminogen activator -- Section V: Clinical trials -- n-AMD trials – comprehensive overview of PDT and anti-VEGF trials in AMD -- Myopic CNV trials – comprehensive overview of PDT and anti-VEGF trials in AMD -- Non-AMD CNV trials – comprehensive overview of various trials in non-AMD related CNV causes -- PCV trials – comprehensive overview of PDT and anti-VEGF trials in PCV -- Section VI: Future directions -- Stem cells in AMD – current status and future expectations -- Newer molecules – newer targets in CNV and the upcoming research -- Radiotherapy – role of radiotherapy and clinical trials -- Other options – role of subthreshold laser, and other therapies in CNV -- Section VII: Rehabilitation -- Low vision aids -- Peripheral vision development – newer approach for macular diseases -- Monitoring techniques – advanced home monitoring techniques and initial experience.

Sommario/riassunto

The book discusses all aspects of choroidal neovascularization (CNV), including the basics, clinical conditions associated with CNV, clinical trials related to CNV, future directions and rehabilitation. The first section covers the pathogenesis, proposed mechanisms, disease models, histopathology and electronmicroscopy. The next section explores CNV secondary to various clinical conditions, such as age-related macular degeneration (AMD), myopia, and less common conditions like choroidal osteoma. The book also covers clinical features, imaging characteristics, and treatment approaches, as well as clinical trials in CNV conditions with recent updates. Lastly, it features chapters on stem cell therapy, gene therapy, new molecules, and lasers, as well as a section on rehabilitation, which addresses home monitoring and low vision aids. This book is intended for retina specialists, retina fellows and general ophthalmologists.
