Special Issue

Advances in the Diagnosis and Management of Age-Related Macular Degeneration: 2nd Edition

Message from the Guest Editor

Age-related macular degeneration (AMD) is a major cause of legal blindness in developed nations, AMD is classified into two types: neovascular and nonneovascular (atrophic) AMD. Recent advances in imaging and therapeutic approaches have improved visual outcomes in eyes with neovascular AMD; that is, antivascular endothelial growth factor (VEGF) therapy has become a first-line treatment, supported by multimodal imaging with optical coherence tomography (OCT), fundus photography, fluorescein and indocyanine green angiography, OCT angiography, etc. Photodynamic therapy (PDT) is seldom used at this moment, especially in Western countries; despite this, PDT is still useful in the treatment of polypoidal choroidal vasculopathy and other pachychoroid spectrum diseases, which are predominant phenotypes in Asia. Future candidates of new treatment modalities include drug delivery for bioactive proteins, such as anti-VEGF agents, stem-cell-derived retinal pigment epithelial cell or photoreceptor transplant, gene therapy to produce soluble VEGF receptors, neurotrophic factors (e.g., pigment epithelial growth factor), etc.

Guest Editor

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