

Special Issue

What's New in Retinal Imaging?

Message from the Guest Editors

Multi-modal imaging techniques, based on lights and shadows, are beneficial for us to accurately diagnose and dynamically monitor eye diseases. Recently, more innovative retinal imaging approaches have been introduced into clinical practice. The modified applications of traditional imaging approaches improve our understanding of retinal diseases. Moreover, the modified enhanced vitreous imaging modality of spectral domain OCT can provide comparable pictures with swept source OCT. In addition, some retinal imaging techniques are still in the preclinical or laboratory phase, for example, polarization sensitivity OCT, which is also promising in the diagnosis of retinal diseases. Finally, AI deep learning is developing gradually in the area of retinal imaging, although there are still potential challenges. The purpose of this Special Issue is to investigate the latest advances in retinal imaging including the application of new instruments, modification of traditional imaging approaches, new ideas on imaging analysis, optical markers, and AI algorithms that can reflect the pathogenesis of retinal diseases accurately to improve clinical decisions.

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