

Special Issue

Optical Coherence Tomography in Diagnosis of Ophthalmology Disease

Message from the Guest Editor

Optical coherence tomography (OCT) is a non-invasive depth-resolved imaging modality, which is able to achieve micrometer-scale resolution within biological tissue. It was introduced in 1991 and has become an important tool in the imaging of numerous diseases of the posterior segment. Modern OCT technology has proved useful not only in the diagnostic investigation of these conditions but also in the monitoring of their clinical course and therapeutic response. The improvements made in this technology have resulted in an increased scanning speed, axial and transverse resolution, and more effective use of the OCT technology as a component of multimodal imaging tools. Adaptive optics devices have also been integrated with OCT systems since the early 2000s and the combination of these systems has provided the narrowest point-spread function among all the in vivo retinal imaging techniques.

The purpose of this Special Issue is to provide articles focused on the importance of OCT in multimodal imaging of retinal diseases and to raise the readers' awareness of advances in OCT technology.

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Guest Editor

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