

Spectral Optical Coherence Tomography in ophthalmology

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ABSTRACT

Spectral Optical Coherence Tomography is a new modality to be introduced in ophthalmology. It introduces several improvements such as real-time and 3-dimensional imaging, and possibility of tomographic films, due to high speed of imaging offered by the method. For the same reason – 2-dimensional cross-sectional images now can be performed with higher sampling density, which increase the signal-to-noise ratio. We analyze advantages and possible problems which may arise with the high speed imaging.

Keywords: Spectral domain OCT, medical imaging, ophthalmology

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