Advances in Biomedical Image Processing of OCT images

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ABSTRACT

In this talk I will review the application of new computational methods for processing of Optical Coherence Tomography images for automated diagnosis of retinal diseases such as glaucoma, retinal detachment and macular holes, three major blinding diseases. There segmentation methods include graph theoretical methods, texture based methods, active contour with dynamic programming techniques, denoising methods as well as applications of deep learning techniques.