

We present a novel two step method to segment retinal pathologies related to the so called wet age-related macular degeneration from 3D spectral optical coherence tomography images. In the first step we segment three retinal layers by an optimal surface algorithm. The identified layers are used in the second step to constrain the segmentation of fluid filled retinal regions using GraphCut. We propose a new regularization energy term for GraphCut that permits long range effect of the manual initialization.