Abstract

Localization and segmentation are important task in medical image analysis. As we know detection of optic nerves is also a major problem in automated retinal image analysis system. Image segmentation of medical image is very complex and crucial step, in this series segmentation of retinal image is more complex in comparison of others. For the retinal image segmentation we use gradient descent method. Recent research is focus on better accuracy rate. This paper gives a bird’s eye over all the detection technique toward fair segmentation of optic nerves using gradient descent method (GDM). For initialization of local contour we use Signed pressure force function (SPF) which is region-based active contour model.
Retinal Image Segmentation by using Gradient Descent Method

- Chunming Li, Chiu-Yen Kao, John C. Gore, and Zhaohua Ding, minimization of region-scalable fitting energy for image segmentation, iee transctions on image processing, vol. 17, no. 10, october 2008.

Index Terms

Computer Science

Image Processing
Keywords
Retinal image; Optic nerves detection; Gradient descent method; Signed Pressure Force function.