Abstract

A system for detecting Diabetic Macular Edema (DME) using Optical Coherence Tomography (OCT) volumes is presented. In preprocessing stage noise removal and flattening of scans is done which is followed by Local binary pattern feature extraction. The extracted features are then classified using linear support vector machine classifier. The proposed system achieved an specificity and sensitivity of 100% and 86.67% respectively.

References


2. Early Treatment Diabetic Retinopathy Study Group, “Photocoagulation for diabetic macular edema: early treatment diabetic retinopathy study report no 1,” JAMA Ophthalmology,
DME Detection using LBP Features


Index Terms

Computer Science

Information Sciences

Keywords

Diabetic Macular Edema, Optical Coherence Tomography, DME, OCT, LBP