5.7 Retinopathy.

The Retinopathy Online Challenge (ROC) (http://roc.healthcare.uiowa.edu/) aims to help patients with diabetes through improving computer aided detection and diagnosis (CAD) of diabetic retinopathy. Diabetic retinopathy is the second largest cause of blindness in the US and Europe. Most visual loss and blindness from diabetic retinopathy can be prevented through early diagnosis or screening. Computer algorithms have been developed in order to detect the signs of diabetic retinopathy from retinal images obtained using a digital retinal camera.

The project's task is to study the ROC challenge and possibly implement some image algorithm useful in diabetic retinopathy.

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