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(57) Abstract :

The present invention discloses the abnormal blood vessels annotation system for diabetic retinopathy patients, which comprises annotation system for detecting the damaged blood vessel present in the eye. The main design of the present invention is to determine and annotate whether any damaged blood vessel is present in diabetic retinopathy (DR) patients, which undergoes several processes such as pre-processing, blood vessel segmentation, optic disc segmentation, feature extraction, and classification. The comparator is included to compare the output of the processed image with the image of the normal blood vessel to determine the exact region of the damage blood vessels, and finally the annotation system determines the risk level to find out the annotated abnormal blood vessel. [To be published with Figure.1]

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