

Special Issue

Diabetic Retinopathy Screening: Current Advances and Future Options

Message from the Guest Editors

Diabetic retinopathy (DR) is a common complication of diabetes and remains a leading cause of severe vision loss and blindness. Existing research on DR has delved into its histopathology in order to understand the associated tissue changes. In addition, imaging modalities such as fundus photography and OCT have been used for screening and evaluation, with screening guidelines being employed to determine when and who to screen. AI-based screening is emerging as a useful approach. This Special Issue aims to present studies that address DR screening and evaluation using existing imaging modalities; assess DR screening and the prediction of DR progression using AI-based approaches; provide comprehensive reviews of current advances; and evaluate the adoption of DR screening tools in the primary care physician (PCP) setting, the cost-effectiveness of DR screening using public health data, and the future directions of DR screening.

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