Special Issue

New Perspectives on Ophthalmology and Health Care

Message from the Guest Editor

The rapid maturation of multiple digital and telemedicine technologies in recent years, especially artificial intelligence (AI) and genomics, offered an unprecedented opportunity for health care to move into new era by applying digital innovations. Ophthalmology has dramatically thrived in these areas partly due to its many image-based investigations. Since 2012, the accuracy of a convolutional neural network (CNN) has been improved by training and validating on vast amounts of data (e.g., image recognition and speech recognition). In terms of image processing, it has already been demonstrated that deep learning algorithms can be trained, using large medical datasets and without having to specify lesion-based features. Studies supported that deep learning and genomics are ideal techniques that have the great potential to impact eye care significantly in targeted and effective screening, risk stratification, and treatment response. This Special Issue of Healthcare seeks commentaries, original research, short reports, and reviews aiming to provide an updated panorama of achievements and challenges in eye health care applying AI and genomics.

Guest Editor

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Message from the Editor-in-Chief

Healthcare is an international, peer-reviewed, open access, multidisciplinary journal. Original research articles, short communications, review articles, and symposium highlights are welcomed. *Healthcare* hopes to influence global health and disease aspects, and hopes to gain high visibility and acceptance by the scientific and healthcare community and will dedicate itself to covering special and specific topics in special issues.
We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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