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Titolo	Intelligent Vision in Healthcare / / edited by Mukesh Saraswat, Harish Sharma, Karm Veer Arya
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ISBN	981-16-7770-0 981-16-7771-9
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (161 pages)
Collana	Studies in Autonomic, Data-driven and Industrial Computing, , 2730-6445
Disciplina	610.285
Soggetti	Computational intelligence Artificial intelligence Signal processing Medical informatics Computational Intelligence Artificial Intelligence Signal, Speech and Image Processing Health Informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intelligent Vision in Healthcare -- Diagnosis of Covid-19 in X-ray and CT Images Using Online Clustering Framework -- Unsupervised Deep Learning Approach for the Identication of Intracranial haemorrhage in CT images using PCA-Net and K-Means algorithm -- Automatic segmentation of optic cup and optic disc using MultiResUnet for Glaucoma classification from fundus image -- A Framework to Classify the Calcication Region from USG Images of Thyroid Nodules -- Predicting Heart Disease with Multiple Classifiers.
Sommario/riassunto	This book focuses on various aspects of computer vision applications in the field of healthcare. It covers new tools and technologies in some of the important areas of medical science like histopathological image analysis, cancer taxonomy, use of deep learning architecture dental care, and many more. Furthermore, this book reviews and discusses the use of intelligent learning-based algorithms for increasing the

precision in medical domain. The book discusses different computer vision algorithms which are useful in various industries and day-to-day life. It also highlights many challenges faced by research community, like view point variations, scale variations, illumination variations, multi-modalities, and noise.