

1. Record Nr.	UNINA9910793999303321
Titolo	Medical imaging : artificial intelligence, image recognition, and machine learning techniques // [edited by] KC Santosh, Sameer Antani, DS Guru, Nilanjan Dey
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, a CRC title, part of the Taylor & Francis imprint, a member of the Taylor & Francis Group, the academic division of T&F Informa, plc, , 2020
ISBN	0-429-64249-0 0-429-02941-1 0-429-63932-5
Edizione	[1st edition]
Descrizione fisica	1 online resource (250 pages)
Disciplina	616.0754
Soggetti	Diagnostic imaging
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	The book discusses varied topics pertaining to advanced or up-to-date techniques in medical imaging using artificial intelligence (AI), image recognition (IR) and machine learning (ML) algorithms/techniques. Further, coverage includes analysis of chest radiographs (chest x-rays) via stacked generalization models, TB type detection using slice separation approach, brain tumor image segmentation via deep learning, mammogram mass separation, epileptic seizures, breast ultrasound images, knee joint x-ray images, bone fracture detection and labeling, and diabetic retinopathy. It also reviews 3D imaging in biomedical applications and pathological medical imaging.