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Titolo	Advances in Intelligent Disease Diagnosis and Treatment : Research Papers in Honour of Prof. Janusz Kacprzyk for Invaluable Contributions / / edited by Chee-Peng Lim, Ashlesha Vaidya, Nikhil Jain, Uday Mahorkar, Lakhmi C. Jain
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Soggetti	Computational intelligence Biomedical engineering Artificial intelligence Medical informatics Computational Intelligence Biomedical Engineering and Bioengineering Artificial Intelligence Health Informatics
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Nota di contenuto	Recent advances in Artificial Intelligence in Healthcare -- Pancreatic Cancer Classification Using Multimodal Imaging -- Bayesian optimisation active learning semi supervised classification for an automatic microembolus detection system -- Images Processing and Visualization of Brain Tumors -- 3D Lung Tumor Segmentation System using Adaptive Structure Deep Belief Network -- Optimal deep transfer learning models for stenosis detection in X ray angiography images -- Forward Nonlinear Model for Deep Learning of EEG Auditory Attention Detection in Cocktail Party Problem. Computational Intelligence Based Modelling of Polyneuropathy Diagnosis -- Decentralized Diagnostics The Role of Federated Learning in Modern Medical Imaging -- Boundary Detection of Incomplete Shapes in Breast Thermal Images Using Statistical Shape Modeling -- Enhanced Liver Lesion Detection in Multi Phase CT Images using Unsupervised Domain Adaptation and Feature

	Generalization -- Decision Support System for Skin Lesion Diagnosis using Deep Learning.
Sommario/riassunto	The book delves into innovations in AI and related computing paradigms for disease detection and diagnosis. The collected chapters elucidate the use of a variety of AI and related methodologies to address specific medical challenges. From detecting pancreatic cancer, classifying micro-emboli in stroke diagnosis, to segmenting brain tumours from MRI data, and more, the culmination of these studies underscores the transformative impact AI and digital technologies can have on healthcare, emphasising their potential to enhance medical treatment and improve patient care.