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Nota di contenuto	Frontmatter -- Preface -- Acknowledgment -- Contents -- List of contributors -- 1 Performance of CNN for predicting cancerous lung nodules using LightGBM -- 2 Deep learning-based cellular image analysis for intelligent medical diagnosis -- 3 Deep learning approaches in metastatic breast cancer detection -- 4 Machine learning: an ultimate solution for diagnosis and treatment of cancer -- 5 Artificial intelligence in medicine (AIM): machine learning in cancer diagnosis, prognosis and therapy -- 6 Diagnosis disease from medical databases using neural networks: a review -- 7 A novel neutrosophic approach-based filtering and Gaussian mixture modeling clustering for CT/MR images -- 8 Decentralized solutions for data collection and privacy in healthcare -- 9 Navigation from conventional to intelligent healthcare: adoption of Internet of health things for noncommunicable disease screening, diagnosis, monitoring and treatment in community settings -- 10 Automated gastric cancer detection and classification using machine learning -- 11 Artificial intelligence applications for medical diagnosis and production with 3D printing technologies -- 12 Detection of breast cancer using deep neural networks with transfer learning on histopathological images -- 13 A machine vision technique-based tongue diagnosis system in Ayurveda -- 14 Vine copula and artificial neural network models to analyze breast cancer data -- Index
Sommario/riassunto	This book collects research works of data-driven medical diagnosis

done via Artificial Intelligence based solutions, such as Machine Learning, Deep Learning and Intelligent Optimization. Physical devices powered with Artificial Intelligence are gaining importance in diagnosis and healthcare. Medical data from different sources can also be analyzed via Artificial Intelligence techniques for more effective results.
