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Descrizione fisica	1 online resource (382 pages)
Collana	Healthcare Technologies
Altri autori (Persone)	SinghAmit Kumar (Of Jaypee University of Information Technology) ZhouHuiyu
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Nota di contenuto	Chapter 1: Introduction to medical information processing and security: techniques and applicationsChapter 2: Prediction of complications in spine surgery using machine learning: a Health 4.0 study on National Surgical Quality Improvement Program beyond logistic regression modelChapter 3: Recent trends in histopathological image analysisChapter 4: Terahertz imaging in healthcareChapter 5: The current state of summarization and visualization in Electronic Health Record (EHR) based on EHR interoperabilityChapter 6: EEG signal classification using robust energy-based least squares projection twin support vector machinesChapter 7: Clustering-based medical image segmentation: a surveyChapter 8: Artificial intelligence for genomics: a look into itChapter 9: Research on security of anonymous communication in wireless healthcare online systemChapter 10: A comprehensive study on the security of medical information using encryptionChapter 11: Electrocardiogram-based dual watermarking scheme for healthcare applicationsChapter 12: Application of autoencoder in craniofacial reconstruction of forensic medicineChapter 13: Security and Privacy in smart Internet of Things environments for well-being in the healthcare industryChapter 14: A survey of medical

image watermarking: state-of-the-art and research directions  
Chapter 15: Secure communication and privacy preserving for medical system  
Chapter 16: Secure medical image encryption algorithm for e-healthcare applications  
Chapter 17: Conclusion and future directions.

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#### Sommario/riassunto

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This edited book covers novel techniques and solutions that provide medical information processing and security for smart healthcare applications. It covers the recent trends in the field of medical information processing and focuses on new security approaches and privacy solutions for smart healthcare applications.

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