

## 5G Wireless Communication System in Healthcare Informatics

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This text discusses problems and needs with the implementation of a 5G mobile communications system in the healthcare sector. It covers the issues related to advanced modulation schemes, telehealth, and remote diagnosis. It discusses important topics including virtual healthcare monitoring, spectrum sensing techniques, the role of 5G in medical applications, the role of nano-communication in healthcare informatics, and remote diagnosis. The text will be useful for graduate students, academic researchers, and professionals in the fields of electrical, and electronics and communication engineering, and allied healthcare. This book: - Discusses novel architecture to manage the allocation of resources, and the interference issue among existing and advanced radios - Provides focus to estimate the performance, cost and accommodation of the next generation technology design for the IoT, modern health-care, and education - Covers advanced technologies and their role in healthcare - Discusses key topics including spectrum access, advanced waveforms, which can help in standardization of 5G based smart hospital - Explores the impact of telemedicine in smart healthcare This reference text covers the latest advances in the field of 5G mobile communication for healthcare informatics, addressing both original algorithm development and new applications of 5G mobile Communications.

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