

1. Record Nr.	UNINA9910736982803321
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Titolo	Society 5.0 and Next Generation Healthcare [[electronic resource] ] : Patient-Focused and Technology-Assisted Precision Therapies // edited by Zodwa Dlamini
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-36461-9
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (298 pages)
Disciplina	610.285
Soggetti	Medical care Medicine—Research Biology—Research Artificial intelligence Biotechnology Public health Health Care Biomedical Research Artificial Intelligence Public Health
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Society 5.0: Realizing Next Generation Healthcare -- Health informatics applications in healthcare and society 5.0 -- Society 5.0 and quality multidisciplinary care for malignant solid tumors in low- and middle-income settings -- Technological Innovations and the Advancement of Preventive Healthcare for Society 5.0 -- Internet of Things in Society 5.0 and the Democratization of Healthcare -- Merging CyberSpace with Physical Space to Improve Cervical Cancer Management and Women's Health in Low-Middle-Income Countries -- AI Enhanced Drug discovery and the achievement of next generation human-centered health system -- The role of digital twinning, the next generation of EMR/EHR, in healthcare in a society 5.0: collecting patient data from birth to the grave -- Integration of Cyber-Physical Systems in the Advancement of

Society 5.0 Healthcare Management -- Transformation of the healthcare ecosystem in the era of Society 5.0 -- Healthcare transformation using Blockchain technology in the Era of Society 5.0 -- Society 5.0 Healthcare: Ethics, Legal Rights, Human Rights, Safety and Security -- Way forward for Society 5.0 and Next Generation Healthcare.

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Sommario/riassunto

This book analyses the ability of technological advancements to represent, enhance, and empower multidisciplinary in the context of Society 5.0. and next generation medicine. New technologies allow patients to communicate with medical personnel anytime, anywhere and shape the terrain of healthcare ecosystem at an unprecedented rate. Five main trends become apparent in this process: Hybrid care models combining virtual and in-person services, digitization of healthcare specialties, increased Artificial intelligence (AI) adoption, health systems moving to the cloud and advanced precision medicine. In its chapters the book dissects the important roles for technologies in areas such as digital twinning, big data, Internet of Things, AI, cyber-physical systems, blockchain technology to lead the healthcare digitalization envisioned in Society 5.0. Throughout the book the authors discuss how to incorporate these new technologies legally, ethically, safely, and securely and in keeping with the highest standards of human rights. It also advocates for the need for careful oversight and mindful allocation of resources and energy for sustainable development. This book, written by experts in the field from academia and industry, will appeal to researchers, healthcare professionals, policy makers, teachers and students interested in the ways healthcare is reorganized based on digital transformation efforts and the rethinking of care, including technologies.

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