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	Autore	FARAG, Rofail Farag
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	Soggetti	MONACHESIMO COPTO
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	Autore	Plugmann Philipp
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	Altri autori (Persone)	PortiusDorothea
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Part I: Pioneering Technological Healthcare Innovations -- 1. Unlocking the Code of Innovation: TRIZ Theory's Blueprint for Precision Medicine Breakthroughs -- 2. Innovations and Solutions in Precision and Systems Medicine using Artificial Intelligence -- 3. Unlocking the Potential: Cloud Computing's Impact on Healthcare -- 4. AI in Healthcare -- 5. The Importance of Production Innovation for the Success of Medical Supplies and Devices -- Part II: Multidisciplinary Perspectives on Health and Well-Being -- 6. Beyond Limits: The Fusion of Nature and Technology in Achieving Optimal Health – The truth of biohacking -- 7. The Biohacking-Code: An eternal pursuit of perfection – the myth about living forever?! -- 8. Futuristic Dentistry: towards Medical-Dental Integration and Minimalistic Approaches -- 9. Participation Oriented and Health-Related Social Work -- 10. The Healthy Longevity Challenge – closing the Gap between Lifespan and Healthspan -- Part III: Cutting-Edge Approaches in Medical Treatment -- 11. Insights and Innovations in Vascular Medicine -- 12. Development of sustainable aftercare strategies following bariatric procedures (ABARO-Study) -- 13. Navigating the Future of Dysphagia Management: From Advanced Innovations to Personalized Therapies -- 14. Personalized solutions in Orthopaedic Surgery: The Era of 3D Technology and future -- 15. Swarm Intelligence in Psychiatry: Navigating Collective Wisdom for Mental Health.

Sommario/riassunto

Recent innovations have transformed healthcare, with digitalization, personalized medicine, AI, and advanced cell and tissue engineering at the forefront of combating non-communicable diseases. By leveraging genomics, proteomics, and molecular profiling, precision medicine enables personalized interventions that improve treatment outcomes. Cutting-edge diagnostic tools like high-resolution imaging, wearable sensors, and artificial intelligence and machine learning are further advancing healthcare delivery. This book presents the latest developments, insights, and critical issues in healthcare, covering topics such as: Medical device advancements AI-driven drug development Diagnostic imaging Personalized medicine Healthcare management Digital healthcare Regulatory developments Chapter "Unlocking the Code of Innovation: TRIZ Theory's Blueprint for Precision Medicine Breakthroughs" is licensed under the terms of the Creative Commons Attribution 4.0 International License (<http://creativecommons.org/licenses/by/4.0/>). For further details see licence information in the chapter. .
