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| Soggetti | Medical laws and legislation Public health Medical economics Information technology - Law and legislation Mass media - Law and legislation Medical Law Public Health Health Economics IT Law, Media Law, Intellectual Property |
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| Nota di contenuto | Part I -- Introduction -- Options for Realising and Financing Innovation in the German Healthcare System -- Clinical Evaluation of Medical Devices in Europe -- Personalized Medicine: Cutting Edge Developments -- Part II -- Methodological and Technological Aspects Important for Personalised Medicine -- Nanotechnology Approaches for Autologous Stem Cell Manipulation in Personalized Regenerative Medicine -- Patient–Doctor Relationship: Data Protection in the Context of Personalised Medicine -- High-Throughput Analytics in the Function of Personalized Medicine -- Bacteria—Human Interactions: Leads for Personalized Medicine -- Present and Future in Personalized Clinical and Laboratory Approaches to In Vitro Fertilization Procedures. -- Microbiota: Novel Gateway Towards Personalised Medicine -- The Right Not to Know in the Context of Genetic Testing -- Part III -- Social and |

Humanistic Aspects of Personal Medicine -- Personalized Medicine, Justice and Equality -- Evolution Paths of Business Models in Personalized Medicine -- Socio-Humanistic and Political Context of Personalized Medicine -- Personalized Medicine and Personalized Pricing: Degrees of Price Discrimination -- Personalised Medicine in Health Care Systems and EU Law: The Role of Solidarity?. Personalizing Privacy? Examining the Shifting Boundaries of a Fundamental Right in Preimplantation Genetic Testing of Embryos -- (Bio)ethical Aspects of Personalised Medicine: Revealing an “Inconvenient Truth”? -- Patient-Physician Relationship in Personalized Medicine -- Barriers Towards New Medicine: Personalized and Integrative Medicine Concepts -- The Reverse Payment Settlements in the European Pharmaceutical Market -- Doping in Sports: Legal and Other Aspects -- Personalised Medicine in Public Healthcare Systems -- Part IV -- Clinical Aspects of Personalised Medicine -- Targeted Breast Cancer Therapy -- Personalized Medicine in Ophthalmology: Treatment of Total Limbal Stem Cell Deficiency with Autologous Ex Vivo Cultivated Limbal Epithelial Stem Cell Graft -- Personalized Total Knee Arthroplasty: Better Fit for Better Function -- Comprehensive Approach to Personalized Medicine into Chronic Musculoskeletal Diseases -- Circadian Rhythms and Personalized Melanoma Therapy -- Genetic and Epigenetic Profiling in Personalized Medicine: Advances in Treatment of Acute Myeloid Leukemia -- The Future of Cartilage Repair.

Sommario/riassunto

This book gathers scientific contributions on comprehensive approaches to personalized medicine. In a systematic and clear manner, it provides extensive information on the methodological, technological, and clinical aspects of high-throughput analytics, nanotechnology approaches, microbiota/human interactions, in-vitro fertilization and preimplantation, and various diseases like cancer. Moreover, the book analyzes the social and legal aspects of social security systems, healthcare systems and EU law – e.g. the role of solidarity, regulatory possibilities and obstacles, justice and equality, privacy/disclosure of data, and the right to know – from an interdisciplinary perspective. Lastly, it explores the economical and ethical context in the fields of business models, intellectual property issues, the patient/physician relationship, and price discrimination.
