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Titolo	Precision Medicine in Stroke / / edited by Ana Catarina Fonseca, José M. Ferro
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ISBN	3-030-70761-X
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (VIII, 339 p. 74 illus., 30 illus. in color.)
Disciplina	616.81
Soggetti	Neurology Medical genetics Artificial intelligence Pharmacology Medical Genetics Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part 1: Precision Medicine -- Introduction -- Precision Medicine: enabling health care progresso in the 21st century -- Do we need precision medicine in stroke -- Part 2: Current applications of precision medicine in Ischemic stroke -- monogenic diseases -- Pharmacodynamics and pharmacokinetics of stroke therapy -- Acute stroke imaging -- Part 3: Current applications of precision medicine in Haemorrhagic stroke -- Intracerebral haemorrhage -- Part 4: Future application -- Blood protein biomarkers in the diagnosis of stroke -- prognosis determination -- Part 5: Interdisciplinary approach -- Artificial intelligence applications in stroke -- Registry-based stroke research -- From bedside to bench: methods in precision medicine -- Approach for genetic studies -- Part 6: Conclusion -- Precision medicine versus personalized medicine.
Sommario/riassunto	This book provides a comprehensive coverage of the state of the art in precision medicine in stroke. It starts by explaining and giving general information about precision medicine. Current applications in different strokes types (ischemic, haemorrhagic) are presented from diagnosis to

treatment. In addition, ongoing research in the field (early stroke diagnosis and estimation of prognosis) is extensively discussed. The final part provides an in-depth discussion of how different interdisciplinary areas like artificial intelligence, molecular biology and genetics are contributing to this area. Precision Medicine in Stroke provides a practical approach to each chapter, reinforcing clinical applications and presenting clinical cases. This book is intended for all clinicians that interact with stroke patients (neurologists, internal medicine doctors, general practitioners, neurosurgeons), students and basic researchers.
