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Nota di contenuto	Part 1: Patient-Centric Considerations.-Medicine Optimisation in Older -- Acceptability of drug formulations in older patients and effect on patient adherence -- Geriatric biopharmaceutics -- Excipient safety in older adults -- Part 2: Pharmaceutical Formulations Development for older Patients -- Oral and oromucosal formulation development and in vitro characterisation – patient-centric approaches for older adults -- Pulmonary drug delivery systems for older people -- Transdermal drug delivery systems for older patients -- Part 3 :Advanced Drug Delivery Systems for Older Patients -- Advanced oral drug delivery systems for older patients -- The ageing microbiome, pharmaceutical considerations and therapeutic opportunities -- Application of 3D printing in geriatric medicines, -- Application of electrospraying and advanced fabrication methods in geriatric medicines -- Vaccine development for older patients.

Pharmaceutical formulation design affects patient acceptability/adherence and pharmacokinetics of the drug. This is particularly important for older patients because of the physiological changes due to ageing and clinical/social circumstances related to medicine taking. This book provides a comprehensive review in the design of formulations to meet the needs of older patients. An overview of the key clinical, social and pharmaceutical factors affecting medication optimization, safety and acceptability in older adults is included, followed by patient-centric considerations including regulatory requirements, dosage form design and human factor studies. Advanced pharmaceutical technologies are discussed for their potential use in older adults such as 3D printing, long-acting oral formulations and novel vaccine technologies. The unique focus of the book will be of interest to pharmaceutical scientists in both industry and academia in searching for better formulations for older patients.
