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Titolo	Model-Informed Precision Dosing / / edited by Jonas Samuel Perez-Blanco, Jose Martinez Lanao
Pubbl/distr/stampa	Basel : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2023
ISBN	3-0365-6897-2
Descrizione fisica	1 online resource (320 pages)
Disciplina	615.14
Soggetti	Drugs - Dosage
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Model-informed precision dosing (MIPD) is an advanced quantitative approach focusing on individualized treatment optimization. MIPD integrates mathematical models of drugs and diseases combined with individual patient characteristics (e.g., genotype, anthropometric factors, and organ function). MIPD has been highlighted as a useful tool for drug dosage selection in both the drug development process and clinical practice and it is a rapidly growing discipline that is supported by the main drug regulatory agencies. Despite the potential benefits of this methodology toward personalized medicine, its application is still limited. The Special Issue presented here includes several PKPD and PBPK models focused on improving the current state of art regarding the PK behaviour of different drugs with the aim of improving the efficacy/safety balance of these treatments and their clinical outcome; the Special Issue is intended to be of particular interest for clinical pharmacologists, pharmacometricians, and specific clinicians who routinely use the considered drugs.

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Autore	Sisto Margherita
Titolo	Diseases of the Salivary Glands
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (314 p.)
Soggetti	Medicine and Nursing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	A large number of diseases affect salivary gland (SG) secretion through different mechanisms, leading to SG dysfunction and associated oral problems. The glands may suffer from viral, bacterial, and, albeit rarely, fungal infections, which may cause painful swelling or obstruction; they could also become the target of an autoimmune attack or may be affected by various benign and malignant tumors which consist of a heterogeneous group of lesions with complex clinical-pathological characteristics. The loss of normal SG function results in widespread deterioration of oral health. This book, entitled "Diseases of Salivary Glands", provides an overview of recent advances in the field of SG disorders, focusing on the cellular and molecular mechanisms involved in the pathogenesis of SG diseases and on the most innovative investigation techniques that could help to preserve patients' health, function, and quality of life.