

1. Record Nr.	UNINA9910799226603321
Autore	Primorac Dragan
Titolo	Pharmacogenomics in Clinical Practice [[electronic resource] /] / edited by Dragan Primorac, Wolfgang Höppner, Lidija Bach-Rojecky
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-45903-2
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (484 pages)
Altri autori (Persone)	HöppnerWolfgang Bach-RojeckyLidija
Disciplina	610
Soggetti	Medicine Pharmacology Medical genetics Practice of medicine Hospitals - Administration Pharmacovigilance Pharmacogenetics Genetics, Medical Clinical Medicine Medical Genetics Practice and Hospital Management Drug Safety and Pharmacovigilance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Contents -- Contributors -- Introduction -- Principles of Pharmacogenomics -- Principles of xenobiotic metabolism (Biotransformation) -- Pharmacogenomics of drug-metabolizing enzymes -- Role of membrane transporters in pharmacogenomics -- Role of drug receptors in pharmacogenomics -- Role of drug targets and other proteins important in pharmacogenomics -- Pharmacogenomics algorithms in clinical practice -- Pharmacogenomics in pain treatment -- Pharmacogenomics in psychiatric diseases -- Pharmacogenomics in anesthesia --

Pharmacogenomics in cardiovascular diseases -- Pharmacogenomics in gastroenterology -- Pharmacogenomics in cancer therapeutics -- Pharmacogenomics on immunosuppressive drugs in solid organ transplantation -- Pharmacogenomics and big data -- Public health issues in Pharmacogenomics -- Ethical Issues in Pharmacogenomics -- Economic evaluation of Pharmacogenomic Testing -- Role of public data bases for pharmacogenomics -- Pharmacogenomics education at University -- Pharmacogenomics in drug research development -- Future perspectives -- Index.

Sommario/riassunto

This book provides a practically applicable guide to the applications of pharmacogenomics across medicine. Background information is provided on the mechanisms associated with membrane transporters, drug-metabolizing enzymes and their importance in pharmacogenomics. Detailed guidance is subsequently presented on how to apply these techniques in disciplines including cardiology, gastroenterology, oncology, transplantation surgery, infectious diseases, anesthesia and analgesia, neurology, psychiatry, primary care, and public health. Clear easy-to-follow instructions are given on how to use big data technologies and public health databases in day-to-day clinical practice. Pharmacogenomics in Clinical Practice concisely covers how pharmacogenomic technologies and techniques can be applied in daily medical practice. It is therefore an ideal up-to-date resource for any medical practitioner, trainee or researcher across all medical disciplines who want to better understand how to use these techniques.
