

1. Record Nr.	UNINA9910736020703321
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Titolo	Comprehensive Healthcare Simulation: Pharmacy Education, Practice and Research [[electronic resource] /] / edited by Yaser Mohammed Al-Worafi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-33761-1
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (278 pages)
Collana	Comprehensive Healthcare Simulation, , 2366-4487
Disciplina	615.10711
Soggetti	Pharmacy Pharmacology Pharmacovigilance Public health administration Drug Safety and Pharmacovigilance Health Administration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Simulation in Pharmacy Education -- Overview of Simulation in Pharmacy Education -- Patient simulation in Pharmacy Education -- Fidelity simulation in Pharmacy Education -- Computer-based Simulation in Pharmacy Education -- Simulation for Introductory Pharmacy Practice Experience (IPPE) -- Simulation for Advanced Pharmacy Practice Experience (APPE) -- Simulation for Pharmacotherapy -- Simulation for Clinical Pharmacokinetics -- Simulation for Medication Safety -- Simulation for Pharmacology -- Simulation for Pharmaceutical Chemistry -- Simulation for Pharmaceuticals and Pharmaceutical Industry -- Simulation for Drug Information and Poisons Services -- Simulation for Complementary and Alternative Medicines and Nutraceuticals -- Simulation for personalized medicine -- Simulation for Clinical Toxicology and Forensic Medicine -- In situ and mobile simulation in pharmacy education -- Facilitators of Simulation in Pharmacy Education -- Barriers of Simulation in Pharmacy Education -- Assessment, Evaluation and Feedback of Simulation in

Pharmacy Education -- Effectiveness of simulation in pharmacy education -- Quality standards and recommendations of the simulation in pharmacy education -- Simulation training -- Part II. Simulation for Pharmacy Practice -- Overview of Simulation in Pharmacy Practice -- Simulation in Community Pharmacy Practice -- Simulation in Hospital Pharmacy Practice -- Simulation for communication skills assessment -- Simulation in patient care -- Simulation in the distance and online pharmacy practice: telepharmacy and telehealth -- Simulation for medication safety and patient safety practice -- Assessment, Evaluation and Feedback of Simulation in Pharmacy Practice -- Facilitators of Simulation in Pharmacy Practice -- Barriers of Simulation in Pharmacy Practice -- Quality standards and recommendations of Simulation in Pharmacy Practice -- Part III. Simulation for Pharmacy Research -- Overview of Simulation in Pharmacy Research -- Simulation for Drug Development -- Design simulation-based research in pharmacy -- Recruiting and train the simulated patients/persons -- Data analysis -- Ethics in simulation research -- Simulation research reports and publication -- Facilitators of simulation research -- Barriers of simulation research.

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### Sommario/riassunto

This book provides comprehensive information about simulation in pharmacy education, practice and research. It serves as a source for guiding pharmacy academics, clinicians, researchers, supervisors, trainers, and students who wish to learn more about and introduce simulation in pharmacy education, practice and research. Furthermore, this book describes the current practice, the facilitators and barriers for implementing evidence-based simulation, and provides examples from real simulation practice in education, practice and research. Structured into three sections, the first delves into the different types of simulation and their applications within pharmacy curricula. From patient simulation to computer-based programs, this section highlights the diverse opportunities for experiential learning in pharmacy education. The next discusses the role of simulation in community and hospital pharmacy settings. This section emphasizes the importance of communication skills, patient care, and medication safety, demonstrating how simulation can contribute to improved practice and patient outcomes. The last section explores the use of simulation in drug development and research design. This section also examines the ethical considerations, data analysis, and reporting involved in simulation-based research. Comprehensive and practical, *Comprehensive Healthcare Simulation: Pharmacy Education, Practice and Research* is an essential resource for anyone interested in the expanding field of pharmacy simulation.

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