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Titolo	Phase I oncology drug development / / Timothy A. Yap, Jordi Rodon, David S. Hong, editors
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ISBN	3-030-47682-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (X, 352 pages, 47 illustration, 45 illustrations in color.)
Disciplina	616.994061
Soggetti	Antineoplastic agents - Design Cancer - Chemotherapy Drug development Antineoplastic Agents Drug Development Neoplasms - drug therapy Clinical Trials, Phase I as Topic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Paradigm shift in oncology drug development -- Practicalities in setting up phase I trials -- Optimizing the preclinical development of antitumor agents for entry into phase I trials -- Considerations for the development of novel chemotherapies in phase I trials -- Considerations for the development of novel targeted agents in phase I trials -- Development of immunotherapeutic strategies in early phase clinical trials -- Assessment of radiotherapeutic strategies in phase I trials -- Development of combinatorial strategies in phase I trials -- Novel trial designs for early phase clinical trials -- Incorporating pharmacokinetic strategies for phase I trials -- Development of pharmacodynamic biomarkers for phase I trials -- Efficacy considerations for Phase I trials -- Incorporating precision medicine into Phase I clinical trials -- Molecular profiling of patients for clinical trials -- Incorporating circulating biomarkers into clinical trials -- Statistical considerations for early phase clinical trials -- Lessons from

hematology for solid tumor drug development. .

Sommario/riassunto

This book provides a detailed review of how oncology drug development has changed over the past decade, and serves as a comprehensive guide for the practicalities in setting up phase I trials. The book covers strategies to accelerate the development of novel antitumor compounds from the laboratory to clinical trials and beyond through the use of innovative mechanism-of-action pharmacodynamic biomarkers and pharmacokinetic studies. The reader will learn about all aspects of modern phase I trial designs, including the incorporation of precision medicine strategies, and approaches for rational patient allocation to novel anticancer therapies. Circulating biomarkers to assess mechanisms of response and resistance are changing the way we are assessing patient selection and are also covered in this book. The development of the different classes of antitumor agents are discussed, including chemotherapy, molecularly targeted agents, immunotherapies and also radiotherapy. The authors also discuss the lessons that the oncology field has learnt from the development of hematology-oncology drugs and how such strategies can be carried over into therapies for solid tumors. There is a dedicated chapter that covers the specialized statistical approaches necessary for phase I trial designs, including novel Bayesian strategies for dose escalation. This volume is designed to help clinicians better understand phase I clinical trials, but would also be of use to translational researchers (MDs and PhDs), and drug developers from academia and industry interested in cancer drug development. It could also be of use to phase I trial study coordinators, oncology nurses and advanced practice providers. Other health professionals interested in the treatment of cancer will also find this book of great value. .

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Record Nr.	UNISALENTO991002812609707536
Autore	Vergilius Maro, Publius
Titolo	Eneide : libro decimo / Virgilio ; con introduzione e commento di Leone Volpis
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Descrizione fisica	132 p. ; 20 cm.
Collana	Biblioteca di classici greci e latini
Altri autori (Persone)	Volpis, Leone
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Note generali	Testo latino.