

Radiosensitizers and Radiochemotherapy in the Treatment of Cancer

Author/Affiliation

Shirley Lehnert, McGill University, Montreal, Quebec, Canada

This book gathers into a single volume the most up-to-date information on radiosensitizing drugs, the mechanisms of radiosensitization, and the clinical applications of this treatment modality. Written for radiation oncologists, medical oncologists, graduate students and residents in various branches of oncology, the text details a range of agents and treatment pathways. Intuitively organized by topic and application, it includes the latest clinical trials, extensive illustrations, and a wealth of references.

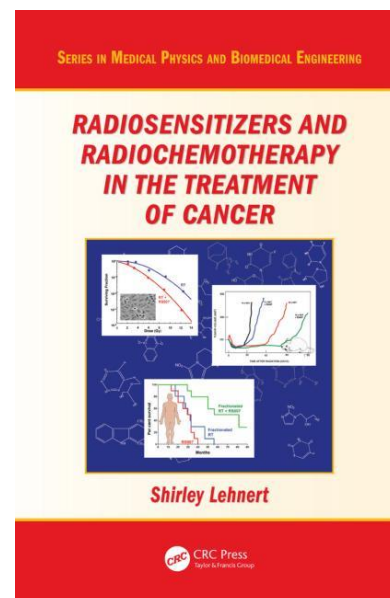
Key Features

- Serves as a comprehensive resource, covering all aspects of the field
- Presents the most current information
- Features an organized structure and chapter summaries
- Provides extensive references at the end of each chapter

Selected Contents

Radiosensitization and Chemoradiation. Radiosensitization by Oxygen and Nitric Oxide. Radioenhancement by Targeting Cellular Redox Pathways and/or by Incorporation of High-Z Materials into the Target. Radiosensitization by Halogenated Pyrimidines. Radiosensitization by Antimetabolites. Radiosensitization by Platinum Drugs and Alkylating Agents. Topoisomerase Inhibitors and Microtubule-Targeting Agents. Targeting the DNA Damage Response: ATM, p53, Checkpoints, and the Proteasome. Radiosensitization by Inhibition of DNA Repair. Targeting Growth Factor Receptors for Radiosensitization. Targeting Signaling Molecules for Radiosensitization. Radiosensitization by Targeting the Tumor Microenvironment. Phytochemicals: Chemopreventive, Radiosensitizing, Radioprotective. Delivery Methods for Radioenhancing Drugs.

SAVE 20% when you order online and enter Promo Code **AZP98**
FREE standard shipping when you order online.



Catalog no. K11427
December 2014, 548 pp.
ISBN: 978-1-4398-2902-8
\$159.95 / £99.00

www.crcpress.com

e-mail: orders@crcpress.com

1-800-634-7064 • 1-561-994-0555 • +44 (0) 1235 400 524



CRC Press
Taylor & Francis Group