

1. Record Nr.	UNINA9910369944203321
Titolo	Cancer Regional Therapy : HAI, HIPEC, HILP, ILI, PIPAC and Beyond // edited by Yuman Fong, T. Clark Gamblin, Ernest S. Han, Byrne Lee, Jonathan S. Zager
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-28891-9
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (xxvi, 488 pages)
Disciplina	616.99406
Soggetti	Cancer - Treatment Neoplasms - therapy Neoplasm Metastasis Surgical oncology Interventional radiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Basis of Regional Therapy, Pharmacology, Hyperthermia, and Drug Resistance -- Novel Biological Therapies with Direct Application to the Peritoneal Cavity -- Y-90 Radiomicrosphere Therapy: Principles and Clinical Use in Colorectal Cancer Liver Metastases -- Principles of Percutaneous Ablation in the Liver -- Regional Gene Therapy for Cancer -- Historical Perspective for Regional Peritoneal Therapy: HIPEC, EPIC and Port-based Therapy -- Rationale Behind HIPEC/Molecular and Genetic Considerations in HIPEC -- Data for HIPEC for Pseudomyxoma Peritonei/Tumors of the Appendix -- Data for HIPEC in Colorectal Cancer (T4 Lesions and Metastases) -- Role of Hyperthermic Intraperitoneal Chemotherapy (HIPEC) in the Treatment of Peritoneal Metastasis of Gastric Cancer -- Regional Therapy for the Treatment of Ovarian Cancer: HIPEC and Intraperitoneal Chemotherapy -- Mesothelioma and Miscellaneous Disease Processes -- Anesthetic Considerations for Regional Therapies -- Post-Operative Management of Patients Undergoing Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy -- Complications of Cytoreductive Surgery and HIPEC -- Liver Resection and HIPEC -- Peritoneal Perfusion

Techniques -- Operative Pearls for Cytoreduction of the Difficult Abdomen and Pelvis -- Novel Techniques and the Future of HIPEC (Immunotherapy, Viral Therapy) -- Pressurized IntraPeritoneal Aerosol Chemotherapy (PIPAC).

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Sommario/riassunto

This book is a state-of-the-art overview of cancer regional therapy (CRT) for the surgeons and interventional radiologists active in CRT development and research. The goals of this book are 1) to review the theory and practice of cancer regional therapies including pharmacology, devices, techniques, and workflow, 2) illustrate the most common procedures performed in the interventional and operating rooms, and 3) discuss data supporting use of CRT. This is meant to be a definitive text on the theory and practice of CRT. It begins with a summary of the history, technical principles that underlie regional therapy. The following parts discuss current data and practice in peritoneal, liver, limb, pleural and other sites. Included in the practice are considerations of workflow and financial issues revolving around CRT. Novel techniques and therapies under investigation are presented to inform the direction of the field. Cancer Regional Therapy summarizes the history, current technology, common procedures, and future prospects in this field and includes procedures from many surgical and interventional radiologic disciplines.

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