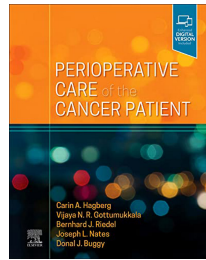


**PERIOPERATIVE CARE OF THE CANCER PATIENT**



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## **DESCRIPTION:**

More than 80% of patients with cancer will need the services of anesthesiology and perioperative medicine, intensive care medicine, and pain management specialists during their cancer journey for diagnostic, therapeutic, and symptom management needs, as well as for the management of recurrent disease, secondary cancers, and ongoing non-oncologic surgical needs during survivorship. Perioperative Care of the Cancer Patient is today's most up-to-date, authoritative, comprehensive reference on the acute care of surgical patients with cancer, from a team of international experts in this emerging and dynamic specialty.

## **Key Features:**

- Covers current clinical practice and perioperative care guidelines during the entire cancer journey for both adult and pediatric patients.
- Includes a diverse array of topics on cancer care, such as cancer epidemiology, cancer biology, ethics in cancer care delivery, value proposition in cancer care, opportunities and challenges with research programs in perioperative cancer care, application of big data and computational sciences in cancer medicine and care delivery, and the MD Anderson Cancer Center Moon Shots Program®.
- Discusses newer cancer therapies and their perioperative implications, functional assessment and rehabilitation, enhanced recovery programs in cancer care, challenges with novel cancer therapies in the care of the critically ill cancer patient, chronic and interventional pain management in patients with cancer, and more.
- An educational resource and clinical reference for surgeons, anesthesia practitioners, hospitalists, internists, pain physicians, intensivists, basic science researchers, and all clinicians involved in the acute care of surgical patients with cancer.
- Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices.

## **CONTENTS:**

### **Section 1: Basic Principles (Epidemiology Cancer Biology Overview of Cancer Therapies)**

Cancer epidemiology, prevention and survivorship

Cancer biology and implications for the perioperative period

Cancer therapies: Old and new

Symptom assessment and QoL considerations in the cancer patient

### **Section 2: Anesthesia and Perioperative/Peri-Procedural Care**

Preoperative evaluation, medical optimization, functional assessment and pre-habilitation

Inflammation, perioperative stress and cancer outcomes

Transfusion therapy and oncological implications

Procedural care of the adult cancer patient outside the operating room

Airway management in special situations

Intraoperative care of the surgical patient

Brain and spine

Head and neck

Heart, lung and mediastinum

Breast

GI cancers

GU cancers

Gynecologic cancers

Endocrine cancers

### **Section 3: Acute Postoperative and Intensive Care of the Cancer Patient**

Postoperative care and special considerations in the cancer patient

Rapid rescue in the hospital and out of the hospital settings

Intensive care considerations of the cancer patient

### **Section 4: Pain and Palliative/Integrative Medicine**

Acute post-surgical pain management

Cancer pain management

Rehabilitation, palliative care, and integrative medicine interventions in the cancer patient

Advanced care planning and ethical considerations in patient centered cancer care

### **Section 5: Perioperative/Peri-procedural Care of the Pediatric patients with Cancer**

Overview

Preoperative assessment and optimization for surgery

Intraoperative management: special considerations for special procedures

Postoperative care: special considerations

Anesthesia outside the operating room

Do Not Resuscitate and the terminally ill patient

Chronic pain and palliative care

Intensive care considerations

### **Section 6: Value Proposition and Research in Perioperative Cancer Care**

Value proposition in cancer care

Research in perioperative care of the cancer patient: opportunities and challenges

Big data, advances in computational sciences and oncology care