



# **Surgical Oncology: Fundamentals, Evidence-Based Approaches and New Technology**

*David L Bartlett, Pragatheeshwar Thirunavukarasu, Matthew D Neal*

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1. This outstanding book has been authored by the world renowned experts in surgical oncology, practicing in a rising center of excellence in the field. It introduces Level of Evidence tables to list the various options available for the treatment of each cancer and the strength of evidence available to support it.
2. The text has been developed as a comprehensive, up-to-date review of all knowledge required of a surgical oncologist from basic biology to the application of regional chemotherapy and minimally invasive surgery to palliative care.
3. The decision to only list landmark papers at the end of each chapter and not reference within the text has been made to improve the understanding of the text, and to focus the reader on general truths and not esoteric facts.
4. Dr Bernard Fisher's example of relying on scientific proof as opposed to empiricism is demonstrated in each chapter with an emphasis on evidence based facts and an Assistant Editor focused on evidence based tables for each disease site.
5. The long-term goal is for regular updates of this text and to keep current with important clinical evidence which may change our approach to therapy. The field of oncology is changing more rapidly than any other speciality and new biology as well as new therapies are constantly being tested. This entire text keeps the reader updated with these important advances in a comprehensive but readable format.

## **SECTION I**

### **INTRODUCTION AND BACKGROUND**

1. History of Surgical Oncology: Definition, History, Scope, Philosophy
2. Multidisciplinary Approach to Surgical Oncology
3. Ethical Considerations in Surgical Oncology

## **SECTION II**

### **FUNDAMENTALS AND BASICS OF CANCER**

4. Molecular and Cellular Biology of Cancer
5. Methods of Investigation of Cancer
6. Principles of Pathology
7. Diagnostic Imaging in Cancer
8. Vascular Access and Infusion Pumps
9. Endovascular Applications in Surgical Oncology
10. Nutrition in Surgical Oncology
11. Pain and Palliative Care in Surgical Oncology

## **SECTION III**

### **PRINCIPLES AND PHILOSOPHY OF CANCER THERAPY**

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13. Principles of Chemotherapy

14. Principles of Radiotherapy
15. Principles of Biologic Therapy

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19. Non-invasive and Benign Breast Tumors
20. Invasive Breast Cancer

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23. Adrenal

#### SECTION VI GASTROINTESTINAL TRACT

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25. Gastric Cancer
26. Small Bowel Cancer
27. Colon Cancer
28. Rectum/Anus

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31. Bile Duct Cancer
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39. Minimally Invasive Approaches in Surgical Oncology
40. Robotic Surgery
41. Surgical Management of Metastases

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