

Oncologic Breast Surgery Updates: A Comprehensive Guide for Surgical Oncologists

Breast cancer remains the most common cancer among women worldwide, making it imperative for surgical oncologists to stay abreast of the latest advancements in oncologic breast surgery. This comprehensive guide offers an in-depth overview of the most recent developments and techniques in the field, providing valuable insights for surgeons seeking to enhance their practice and achieve optimal patient outcomes.



Oncologic Breast Surgery (Updates in Surgery)

by Zacharias Zachariou

★★★★★ 5 out of 5

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Chapter 1: Surgical Management of Breast Cancer

This chapter lays the foundation for understanding the principles of surgical management of breast cancer, including preoperative evaluation, surgical

options, and postoperative care. It discusses the different types of breast cancer surgeries, such as mastectomy, lumpectomy, and breast-conserving surgery, providing a detailed overview of the indications, techniques, and potential complications of each procedure.



Chapter 2: Advancements in Surgical Technique

This chapter explores the latest advancements in surgical technique for oncologic breast surgery, focusing on minimally invasive approaches, robotic surgery, and intraoperative imaging. It provides a comprehensive review of the benefits and limitations of these techniques, helping surgeons make informed decisions about their use in different clinical scenarios.



Robotic surgery offers greater precision and control during breast surgery.

Chapter 3: Sentinel Lymph Node Biopsy

This chapter discusses the role of sentinel lymph node biopsy in breast cancer surgery, explaining the principles, techniques, and interpretation of results. It provides guidance on the use of sentinel lymph node biopsy to determine the presence of cancer spread to the lymph nodes, which is crucial for staging and treatment planning.



Chapter 4: Neoadjuvant and Adjuvant Therapy

This chapter explores the integration of neoadjuvant and adjuvant therapy into oncologic breast surgery. It provides an overview of the different types of therapies used, their indications, and their impact on surgical planning and outcomes. Surgeons will gain a thorough understanding of how these therapies can be used to improve cancer control and patient survival.

KEY POINTS

- Breast conservation is the surgical standard of care; unnecessary mastectomies must be avoided, particularly after neoadjuvant systemic therapy.
 - De-escalation of axillary treatment is standard in situations of a negative axilla after neoadjuvant systemic therapy, but remains controversial when residual affected nodes are present.
 - As an important principle, the breast surgeon is part of a multidisciplinary team that needs to assess every individual patient's situation throughout the patient journey.
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Neoadjuvant therapy is given before surgery to shrink the tumor.

Chapter 5: Oncologic Reconstruction

This chapter focuses on the principles and techniques of oncologic reconstruction after breast surgery. It discusses the different reconstructive options available, such as implant-based reconstruction, autologous tissue reconstruction, and microsurgical reconstruction. Surgeons will learn how to assess patient factors and select the most appropriate reconstruction technique to achieve optimal aesthetic and functional outcomes.



Chapter 6: Long-Term Follow-Up

This chapter emphasizes the importance of long-term follow-up for breast cancer patients after surgery. It provides guidance on the surveillance protocols, imaging modalities, and clinical examinations used to detect and manage potential disease recurrence or complications. Surgeons will learn how to develop a comprehensive follow-up plan that ensures the best possible outcomes for their patients.



Follow-Up Care for
Breast Cancer

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Long-term follow-up is crucial for detecting and managing potential disease recurrence or complications.

This comprehensive guide on oncologic breast surgery updates provides surgical oncologists with a wealth of information and insights to enhance their practice and improve patient outcomes. By staying abreast of the latest advancements in surgical techniques, neoadjuvant and adjuvant therapy, and oncologic reconstruction, surgeons can deliver optimal care to breast cancer patients and contribute to their long-term survival and quality of life.



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