

Contents

Preface, vi

List of Contributors, vii

Dedication, x

Video List, xi

Section I: Oncoplastic Breast Surgery – Getting Started

- 1. Introduction to Oncoplastic Breast Surgery, 2**
Maurice Y. Nahabedian
- 2. Safety of Oncoplastic Breast Reconstruction, 10**
Peter W. Thompson and Grant W. Carlson
- 3. Indications and Patient Selection for Oncoplastic Breast Surgery, 14**
Kirsten Edmiston
- 4. Oncoplasty versus Mastectomy: Decisions and Outcomes, 23**
Maurice Y. Nahabedian and Costanza Cocilovo
- 5. Breast Surgeons and Oncoplastic Surgery, 28**
Juliann Marie Reiland
- 6. Plastic Surgeon's Approach to Oncoplastic Breast Surgery, 33**
Maurice Y. Nahabedian

Section II: Oncoplastic Breast Surgery – Surgical Techniques

- 7. Volume Displacement and Volume Replacement Techniques, 42**
Alex N. Mesbahi and Louisa Yemc
- 8. Reduction Mammoplasty Techniques for Oncoplastic Surgery, 50**
Mark Venturi
- 9. Mastopexy Techniques, 57**
Steven J. Kronowitz
- 10. Local Flap Techniques for Oncoplastic Breast Reconstruction, 66**
Jaume Masia and Jordi Riba Vilchez

11. Free Flap Techniques, 79

Moustapha Hamdi and Randy De Baerdemaeker

12. Breast Augmentation Technique (Biplanar) for Oncoplasty, 91

Yoav Barnea

13. Oncoplastic Breast Reconstruction Using a Three-Dimensional Absorbent Coil, 97

Costanza Cocilovo and Maurice Y. Nahabedian

14. Lipofilling and Oncoplasty, 102

Alexandre Mendonça Munhoz

15. Extreme Oncoplasty, 117

Nirav B. Savalia, Sadia Khan, and Melvin J. Silverstein

16. Oncoplastic Variations Based on Tumor Location, 127

Albert Losken

Section III: Oncoplastic Breast Surgery – Outcomes

17. Complications of Oncoplastic Breast Surgery, 142

Hani Sbitany

18. Local Recurrence and Reconstructive Options Following Oncoplastic Breast Surgery, 150

Rachel Rolph and Jian Farhadi

19. Surveillance and Imaging Following Oncoplastic Breast Surgery, 158

Toni Storm-Dickerson and Allen Gabriel

20. Radiation Therapy Considerations and Oncoplastic Breast Surgery, 167

Kenneth L. Fan and Maurice Y. Nahabedian

21. Patient Satisfaction and Outcomes Following Oncoplastic Breast Surgery, 179

Tammy Ju, Christine Teal, and Bridget A. Oppong

Index, 185

Preface

I am proud to introduce the second edition of *Oncoplastic Surgery of the Breast*. It has been 10 years since the first edition. As the field of oncoplastic surgery continues to evolve with new concepts and strategies being introduced every year, it is important for surgeons around the world to remain current. The safety and efficacy of oncoplastic breast surgery has clearly been demonstrated as patient outcomes have continued to improve and patient satisfaction has continued to soar. This second edition has made every effort to incorporate the new ideas and innovations into a comprehensive text that is state-of-the-art and up-to-date in every respect.

The second edition has been organized into 3 sections and 21 chapters. The three sections are focused on getting started, review of techniques, and outcomes. Most of the authors are new and were chosen to prepare a chapter based on their contributions to the field and track record for success. As with the first edition, the second edition includes new instructional videos that complement most of the chapters and facilitates the readers' ability to perform these operations. There are several chapters that are completely new that will introduce readers to novel approaches to oncoplastic breast surgery. I am excited about the Breast

Augmentation Technique (Biplanar) for Oncoplasty prepared by Dr. Barnea. This has been an effective approach in my practice that can provide excellent cosmetic outcomes. Dr. Sivalia, Dr. Khan, and Dr. Silverstein have prepared an excellent chapter on Extreme Oncoplasty that expands the indication for oncoplasty in properly selected patients. They have contributed three wonderful videos that demonstrate their techniques in a well-described and simplified manner. Dr. Reiland will provide the breast surgeon's perspective on oncoplastic breast surgery in this ever-expanding field.

There are several individuals I would like to thank whose efforts were instrumental in the preparation of this book. First and foremost are the authors who prepared the chapters. They are all very busy, exceptionally talented, and have sacrificed a significant amount of their time for this project. Second are the staff at Elsevier for their hard work and commitment toward publishing this textbook that has exceeded all of our expectations. Finally, I would like to again thank my family, Anissa, Danielle, and Sophia, for their support, patience, and understanding during the many hours spent in the preparation of this book.

Maurice Y. Nahabedian, MD, FACS

*I would like to dedicate this second edition of *Oncoplastic Surgery of the Breast* to my long-time friend and associate, Scott Spear, MD. Scott was an inspiration to plastic and breast surgeons around the world whose valuable insights and pearls of wisdom helped thousands of surgeons who ultimately were able to help tens of thousands of patients. I was fortunate to work with him at Georgetown University Hospital from 2005–2013, where he was the founding Chairman of the Department of Plastic Surgery. Scott taught me to think critically, analyze precisely, and to plan and execute accordingly. He raised the bar for all of us when it came to surgical and aesthetic outcomes following reconstructive and aesthetic breast surgery.*

I would also like to dedicate this book to the 69 plastic surgery chief residents that I have had the privilege to work with and train while on the faculty at Johns Hopkins and Georgetown Universities from 1996–2017. Their desire to learn was my inspiration to teach both in the operating room and in the research arena. The friendships that have been established have stood the test of time, and I am so proud of each and every one of them. Special thanks to Mark Venturi, MD, and Alex Mesbabi, MD, who were two of my plastic surgery residents. It has been a privilege to become a partner in their practice where we continue to provide state of the art reconstructive and aesthetic breast surgery for our patients.

Finally I would like to thank my wife, Anissa, and my two daughters, Danielle and Sophia. Their endless support and encouragement have made it possible to continue to educate and teach surgeons around the world and to provide patients with the highest quality care possible.

Maurice Y. Nahabedian, MD, FACS

Video List

10 Local Flap Techniques

10.1 Thoraco-dorsal artery perforator flap (TDAP flap)

11 Free Flap Techniques

11.1 DIEaP SIEa flap in breast reconstruction

12 Breast Augmentation Technique (Biplanar)

12.1 Oncoplastic Breast Augmentation Technique

15 Extreme Oncoplasty

15.1 Batwing reduction

15.2 Split reduction

15.3 Split reduction with intraoperative radiation therapy (IORT)

15.4 Wise pattern