Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributing Authors</td>
<td>vii</td>
</tr>
<tr>
<td>Foreword</td>
<td>xv</td>
</tr>
<tr>
<td>Foreword to 1st Edition</td>
<td>xvii</td>
</tr>
<tr>
<td>Foreword to 2nd Edition</td>
<td>xix</td>
</tr>
<tr>
<td>Preface</td>
<td>xxi</td>
</tr>
<tr>
<td>Acknowledgments</td>
<td>xxiii</td>
</tr>
<tr>
<td>Volume 1</td>
<td></td>
</tr>
<tr>
<td>SECTION I: Oncology and Incidence and Risk Factors</td>
<td></td>
</tr>
<tr>
<td>The Epidemiology of Breast Cancer: CELIA BYRNE</td>
<td>2</td>
</tr>
<tr>
<td>Breast Cancer Screening and Diagnosis: COSTANZA CICILIOVO</td>
<td>3</td>
</tr>
<tr>
<td>Imaging of the Surgically Altered Women: ERINI MAKARIOU AND ANOUSHEH SAYAH</td>
<td>4</td>
</tr>
<tr>
<td>Breast Cancer Diagnosis, Prognosis: NEAL HANDEL</td>
<td>5</td>
</tr>
<tr>
<td>Pathology of Breast Disorders: BALJIT SINGH</td>
<td>6</td>
</tr>
<tr>
<td>High-risk Patient: THERESE S. CERMAK AND JENNIFER ENG-WONG</td>
<td>7</td>
</tr>
<tr>
<td>Oncoplastic Treatment Approach: MELVIN J. SILVERSTEIN</td>
<td>8</td>
</tr>
<tr>
<td>Ductal Carcinoma In Situ: An MELVIN J. SILVERSTEIN</td>
<td>7</td>
</tr>
<tr>
<td>Mastectomy for Breast Cancer: SHAWNA C. WILLEY AND</td>
<td>8</td>
</tr>
</tbody>
</table>
DONNA-MARIE E. MANASSEH

9

Dissection .................

Sentinel Node Biopsy and Axillary107 HIRAM S. CODY III

10

Issues .....................

Breast Conservation: Oncologic118 COSTANZA COCILOVO

11

Common and Challenging

Problems ...................

Oncoplastic Surgery: Managing123 ALEXANDRE MENDONÇA MUNHOZ

12

Mastectomy Defects: Classifications

and Methods ...............

Reconstruction of Partial140 ALBERT LOSKEN

13

and Reconstruction of Breast

Cancer .....................

Special Problems in the Treatment165 ALBERT LOSKEN

14

Reconstruction of the Partial

Mastectomy Defect ...........

The Osnabrueck Experience With177 KLAUS E. BRUNNERT

15

Conservation Patient ........

Reconstruction of the Breast198 SUMNER A. SLAVIN

16

of Breast Conservation Therapy

of the Large-breasted Patient...

Reduction Mammaplasty as Part213 SCOTT L. SPEAR, KETAN M. PATEL, AND

PRANAY M. PARIKH

17

Breast Cancer: Breast-conserving

Therapy and Mastectomy ......

Follow-up After Surgery for Primary218 ELIZABETH D. FELDMAN AND WAFA ALKHAYAL

18

Adjuvant Systemic Therapy .... 228 MINAL SHAH, CLAUDINE J. D. ISAACS, AND

MINETTA C. LIU
GEOFFREY L. ROBB

Reconstruction Using Semilunar Expander and Purse-string Closure

Immediate Two-stage Breast

GINO RIGOTTI AND ALESSANDRA MARCHI

Radiated Breast

Prosthetic Reconstruction in the

SCOTT L. SPEAR AND M. RENEE JESPERSEN

Secondary Prosthetic Cases

SCOTT L. SPEAR, M. RENEE JESPERSEN, AND ADAM D. SCHAFFNER

The External Approach

Recreating the Inframammary Fold

JAMES J. RYAN

The Internal Approach

Re-creating the Inframammary Fold

SCOTT L. SPEAR, ALI N. MESBAHI, AND MICHAEL BECKENSTEIN

Fold With the Superficial Fascial System

MAURIZIO NAVA, JOSEPH OTTOLENGHI, AND EGIDIO RIGGIO

Flap Breast Reconstruction

Latissimus Dorsi Musculocutaneous

DENNIS C. HAMMOND

Autologous Reconstruction with Latissimus Muscle Only Flaps

Endoscopic Delayed-Immediate

NEIL A. FINE AND KRISTINA O'SHAUGHNESSY

in Reconstruction of the Radiated Breast

SCOTT L. SPEAR, JAY BOEHMLER, AND MARK W. CLEMENS

Autologous Latissimus Dorsi
Flap With and Without Immediate Nipple Reconstruction
Breast Reconstruction With an

Aesthetic Subunits of the

Breast

Reconstruction of the Irradiated

Breast Using Autologous Tissue
With Immediate Nipple
Reconstruction

One-stage Reconstruction of the

Bipedicle TRAM Flap

Myocutaneous Flap Reconstruction:
The Single-pedicle, Whole-muscle Technique

Transverse Rectus Abdominis

Unipedicle TRAM Operation: The Muscle-splitting Technique
Breast Reconstruction With the

Myocutaneous Flaps

Bilateral Transverse Rectus Abdominus

Myocutaneous Flap Breast
Reconstruction

Free Transverse Rectus Abdominis

Skin-sparing Mastectomy Through
a Periareolar Approach

Immediate Reconstruction After

Mastectomy Using the Omental Flap and Synthetic Mesh

Immediate Reconstruction After Skinsparing

Abdominal Flaps and Implants

Myocutaneous Flaps With Preoperative Delay

Transverse Rectus Abdominis

Tissue Transfer: An Algorithmic Approach

Breast Reconstruction With Free

Reconstruction

Perforator Flaps in Breast

Pedicled Perforator Flaps

Rectus Abdominis Musculocutaneous Flaps

Anatomic Basis of Perforator

Artery Perforator Flap Breast Reconstruction

Deep Inferior Epigastric
The Superior Gluteal Artery
JULIE V. VASILE, ROBERT J. ALLEN, AND JOSHUA L. LEVINE

The Inferior Gluteal Artery Perforator
CONSTANCE M. CHEN, MARIA M. LoTEMPIO, AND ROBERT J. ALLEN

Epigastric Artery Flap in Breast
PIERRE M. CHEVRAY

Gracilis Flaps for Breast
KAREN M. HORTON

Breast in Breast Reconstruction
JAMES D. NAMNOUM AND DAVID OTTERBURN

Outcomes in Bilateral Breast
ELISABETH K. BEAHM AND ROBERT L. WALTON

Nipple-Areola Reconstruction
SCOTT L. SPEAR AND JUSTIN E. WEST

Augmentation in Subsequent Breast Reconstruction
MICHAEL A. HOWARD

Breast Reconstruction
DAVID W. CHANG

Following Breast Reconstruction
MAURICE Y. NAHABEDIAN, SCOTT L. SPEAR, AND
SECTION III: Mammaplasty and Mastopexy

Reduction 82

and Mastopexy: General

Considerations . . . . . . . .

Reduction Mammaplasty 955 DENNIS C. HAMMOND

83

and Reduction: The “Round Block” . . . . . . . . .

Periareolar Benelli Mastopexy 960 LOUIS C. BENELLI

84

Wall–based Flap and Pectoralis Muscle Loop . . . . . . . . .

Mastopexy With Chest 972 RUTH GRAF, ANDRÉ RICARDO DALL’OGLIO TOLAZZI, THOMAS BIGGS, AND
Implants: Superolaterally Based Rotation Flap

A Mastopexy Technique Without and Mastopexy Without Undermining

Vertical Scar Breast Reduction

Vertical Mastopexy

Reduction and Mastopexy

Vertical Mammaplasty for Breast

Short Horizontal Scar

Vertical Mammaplasty With a Breast Reduction by Liposuction

Alone

Breast Reduction by Liposuction

the Superomedial Pedicle

Vertical Breast Reduction Using

Inferior Pedicle Reduction

Mammaplasty

The Short Scar Periareolar

Reduction Technique

The Circumvertical Breast

Reduction: Basic Concepts

Inferior Pedicle Technique in Breast

Reduction: Practical Steps

Inferior Pedicle Technique in Breast
Using the Central Mound Technique .................................. 97

Reduction Mammaplasty 1107 DANIEL P. LUPPENS AND MARK A. CODNER

Medial Pedicles and Inverted-T Incisions .........................

Reduction Mammaplasty Using 1116 ETHAN E. LARSON AND MAURICE Y. NAHABEDIAN

The L Short-scar Mammaplasty 1128 ARMANDO CHIARI, JR. AND JAMES C. GROTTHING

Reduction .................................................... 98

The No-vertical-scar Breast 1144 SIMON G. TALBOT AND JULIAN J. PRIBAZ

Free Nipple Graft Technique . . .

Breast Reduction With the 1156 SCOTT L. SPEAR AND M. RENEE JEPSEN

in the Irradiated Breast . . . . . . .

Reduction Mammaplasty 1170 SCOTT L. SPEAR AND AMER SABA

After Massive Weight Loss . . . .

Breast Reduction and Mastopexy 1174 J. PETER RUBIN AND JOSEPH MICHAELS

and Mastopexy After Massive Weight Loss . . . . . . . . .

Strategies in Breast Reduction 1185 DENNIS J. HURWITZ

Gynecomastia . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1205 FRANK LISTA AND JAMIL AHMAD

Corrections After Breast Reduction and Mastopexy . . . . . . .

Complications and Secondary 1211 SCOTT L. SPEAR AND KAREN KIM EVANS

 SECTION IV:

Mammaplasty

Augmentation 106

General Considerations . . . . . . . .

Augmentation Mammaplasty: 1227 G. PATRICK MAXWELL, MATTHEW B. BAKER, AND ALLEN GABRIEL
Lipoaugmentation . . . . . . . . . . 1366 SYDNEY R. COLEMAN AND ALESIA P. SABOEIRO

Reconstruction Using BRAVA
External Breast Expansion
and Autologous Fat Grafting . .
Breast Augmentation and1374 ROGER K. KHOURI AND DANIEL DEL VECCHIO

Patient With Tuberosus Breasts and
Other Complex Anomalies . . . .
Augmentation Mammaplasty in the1401 DENNIS C. HAMMOND
in Women With Thoracic
Hypoplasia . . . . . . . . . . . .
Augmentation Mammaplasty1410 SCOTT L. SPEAR, JESSE A. GOLDSTEIN, AND
CHRISTOPHER V. PELLETIERE

With Poland Syndrome . . . . .
Breast Reconstruction in Patients1416 JAMES D. NAMNOUM

Mastopexy . . . . . . . . . .
Augmentation With Periareolar1425 SCOTT L. SPEAR AND MARK L. VENTURI

General Considerations . . . .
Augmentation Mammaplasty:1434 DENNIS C. HAMMOND

Managing Complications of1447 NEAL HANDEL

Implant Malposition . . . . .
Neo-subpectoral Technique for1473 SCOTT L. SPEAR, M. RENEE JESPERSEN, AND
SAMIR S. RAO

Distortion Following Submuscular
Breast Augmentation . . . . .
Outcome Assessment of Breast1481 SCOTT L. SPEAR AND JAIME SCHWARTZ

Surgery of the Breast . . . . .
Bioprosthetic Materials for Plastic1488 G. PATRICK MAXWELL AND ALLEN GABRIEL

Treatment and Prevention of
Implant-associated Breast
Deformities . . . . . . . . .

Acellular Dermal Matrix for the1495 SCOTT L. SPEAR AND MITCHEL SERUYA

After Augmentation Mammaplasty
by Conversion to the Subpectoral
or “Dual-plane” Position . . .

Correction of Capsular Contracture1503 SCOTT L. SPEAR AND MICHAEL COHEN

and Anatomic Description,
Classification and Definitions,
and Options for Repair and
Reinforcement . . . . . . . . .

The Inframammary Fold: Histologic1510 BRADLEY P. BENGTSON

Anatomic Form-stable Silicone
Gel Implants . . . . . . . . .

Revision Augmentation With1516 MITCHELL H. BROWN

Augmented Breast . . . . . .
Correction of Ptosis in the Previously1532 NEAL HANDEL