## Contents

**Part I  Anatomy**

1. **Facial Anatomy** ......................................................... 3  
   Peter M. Prendergast

2. **Facial Proportions** ..................................................... 15  
   Peter M. Prendergast

3. **Danger Zones in Surgical Facial Rejuvenation** ................. 23  
   Peter M. Prendergast

4. **Muscles Used in Facial Expression** ................................. 31  
   Melvin A. Shiffman

5. **SMAFS (Superficial Musculoaponeurotic-Fatty System):**  
   A Changed SMAS Concept; Anatomic Variants, Modes  
   of Handling, and Clinical Significance in Facelift Surgery .......... 35  
   Hassan Abbas Khawaja, Melvin A. Shiffman,  
   and Enrique Hernández-Pérez

**Part II  Anesthesia**

6. **Anesthesia for Minimally Invasive Cosmetic Surgery**  
   of the Head and Neck ................................................. 49  
   Gary Dean Bennett

7. **Personal Method of Anesthesia in the Office** .................... 77  
   Stephen J. Gray

**Part III  Preoperative and Postoperative**

8. **Preoperative and Postoperative Plan** ............................. 87  
   Anthony Erian and Ben Pocock

9. **Facial Imaging** .......................................................... 95  
   John Flynn
10 Skin Care and Adjuvant Techniques Pre and Post Facial Surgery ................................................. 107
   Anthony Erian and Clara Santos

Part IV Psychological Aspects

11 What Is Human Beauty? ..................................................... 117
   Pierre F. Fournier

12 Body Dysmorphic Disorder ........................................... 123
   Melvin A. Shiffman

Part V Techniques

13 Hair Transplantation .................................................... 129
   Paul C. Cotterill

14 Ablative Laser Facial Resurfacing .................................. 169
   P. Daniel Ward and Jessica H. Maxwell

15 Photorejuvenation ........................................................ 175
   Kenneth Beer and Rhoda S. Narins

16 Superficial and Medium-Depth Chemical Peels ............... 181
   Benjamin A. Bassichis

17 Deep Phenol Chemical Peels ......................................... 193
   Michel Siegel and Benjamin A. Bassichis

18 Chemical Blepharoplasty .............................................. 197
   Clara Santos

19 Facial Implants .......................................................... 205
   Benjamin A. Bassichis

20 Injectable Facial Fillers ............................................... 211
   Donald W. Buck II, Murad Alam, and John Y.S. Kim

21 Botulinum Toxin for Facial Rejuvenation ...................... 219
   George J. Bitar, Daisi J. Choi, and Florencia Segura

22 History of Fat Transfer ................................................. 231
   Melvin A. Shiffman

23 Role of Fat Transfer in Facial Rejuvenation .................... 233
   Anthony Erian
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>Cosmetic Surgical Rejuvenation of the Neck</td>
<td>241</td>
</tr>
<tr>
<td></td>
<td>by L. Angelo Cuzalina and Colin E. Bailey</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Submental Liposuction</td>
<td>267</td>
</tr>
<tr>
<td></td>
<td>by Mervyn Low</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Vaser UAL for the Heavy Face</td>
<td>273</td>
</tr>
<tr>
<td></td>
<td>by Alberto Di Giuseppe and George Commons</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Suture Facelift Techniques</td>
<td>279</td>
</tr>
<tr>
<td></td>
<td>by Peter M. Prendergast</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Bio-Lifting and Bio-Resurfacing</td>
<td>315</td>
</tr>
<tr>
<td></td>
<td>by Pier Antonio Bacci</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Standard Facelifting</td>
<td>329</td>
</tr>
<tr>
<td></td>
<td>by Shoib Allan Myint</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Suspension of the Retaining Ligaments and Platysma in Facelift: From “Fake-Lift” to “Facelift”</td>
<td>335</td>
</tr>
<tr>
<td></td>
<td>by Keizo Fukuta</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Personal Technique of Facelifting in Office Under Sedation</td>
<td>351</td>
</tr>
<tr>
<td></td>
<td>by Anthony Erian</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Design and Management of the Anterior Hairline</td>
<td>363</td>
</tr>
<tr>
<td></td>
<td>Temporal Incision and Skin Take Out in the Vertical Facelift and Lateral Brow Lift Procedures</td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Mary E. Lester, Richard C. Hagerty, and J. Clayton Crantford</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Short-Scar Facelift with Extended SMAS/Platysma</td>
<td>373</td>
</tr>
<tr>
<td></td>
<td>Dissection and Limited Skin Undermining</td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Hamid Massiha</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Extent of SMAS Advancement in Facelift with</td>
<td>379</td>
</tr>
<tr>
<td></td>
<td>or without Zygomaticus Major Muscle Release</td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Henry A. Mentz III</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>The Safe Facelift Using Bony Anatomic Landmarks to Elevate the SMAS</td>
<td>397</td>
</tr>
<tr>
<td></td>
<td>by Bradon J. Wilhelmi and Yuron Hazani</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Anatomicohistologic Study of the Retaining Ligaments of the Face with Retaining Ligament Correction and SMAS Plication in Facelift</td>
<td>405</td>
</tr>
<tr>
<td></td>
<td>by Ragip Özdemir</td>
<td></td>
</tr>
</tbody>
</table>
37  Vertical Temporal Lifting: A Short Preauricular-Pretrichal Scar 425
    John Camblin

38  Deep Plane Face-lift: Integrating Safety and Reliability with Results 437
    W. Gregory Chernoff

39  Subperiosteal Face-Lift 445
    Lucas G. Patrocinio, Marcell M. Naves, Tomas G. Patrocinio, and Jose A. Patrocinio

40  Progression of Facelift Techniques Over the Years 459
    W. Gregory Chernoff

41  Facial Contouring in the Postbariatric Surgery Patient 463
    Anthony P. Sclafani and Vikas Mehta

42  Complications of Facelift Surgery 471
    Melvin A. Shiffman

43  Forehead Lifting Approach and Techniques 475
    Jaime Ramirez, Yhon Steve Amado, and Adriana Carolina Navarro

44  Endoscopic Forehead Lift 495
    Jorge Espinosa and José Rafael Reyes

45  Minimally Invasive Ciliary-Frontoplasty Technique 511
    German Guillermo Rojas Duarte

46  Treatment of Eyebrow Ptosis Through the Modified Technique of Castañares 519
    Giovanni André Pires Viana and Giovanni Pires Viana

47  Endobrow Lift 527
    Anthony Erian

48  Minimally Invasive Midface Lift 541
    Enrique Andrade

49  Upper Eyelid Blepharoplasty 547
    Amir M. Karam and Samuel M. Lam

50  Lower Eyelid Blepharoplasty 555
    Amir M. Karam and Samuel M. Lam
51  Upper Blepharoplasty of the Asian Eyelid .......................... 571
    Samuel M. Lam and Amir M. Karam

52  Medial and Lateral Epicanthoplasty ................................. 577
    Dae Hwan Park

53  Treatment of Tear Trough Deformity with
    Hyaluronic Acid Gel Filler ........................................ 587
    Giovanni André Pires Viana

54  Combined Technique in Otoplasty ................................... 595
    Marzia Salgarello

55  Rhinoplasty ................................................................. 609
    Vladimir Kljajic and Slobodan Savovic

56  Nonsurgical Rhinoplasty with Radiesse® ............................. 625
    George John Bitar, Olalesi Osunsade, and Anuradha Devabhaktuni

57  Lip Enhancement: Personal Technique ................................. 641
    Anthony Erian

58  Liposuction of the Neck: Technique and Pitfalls .................... 647
    Anthony Erian

59  Neck Lifting Variations .................................................. 653
    Harry Mittelman and Joshua D. Rosenberg

60  Exodermlift: Nonsurgical Facial Rejuvenation ......................... 671
    Clara Santos

61  New Concepts of Makeup and Tattooing After
    Facial Rejuvenation Surgery ......................................... 681
    Karen Betts

Part VI  HIV Facial Lipodystrophy

62  Poly-L-Lactic Acid for the Treatment of HIV-Associated
    Facial Lipoatrophy ...................................................... 691
    Douglas R. Mest and Gail M. Humble

63  Autologous Fat Transfer for HIV-Associated Facial
    Lipodystrophy ............................................................. 707
    Lisa Nelson and Kenneth J. Stewart
64  Comparison of Three Different Methods for Correction of HIV-Associated Facial Lipodystrophy ................................. 723
Giovanni Guaraldi, Pier Luigi Bonucci, and Domenico De Fazio

Part VII  Medical Legal

65  Medical Malpractice Lawsuits: What Causes Them, How to Prevent Them, and How to Deal with Them When You Are the Defendant ......................................................... 731
Ronald A. Fragen

Index ............................................................................................................. 737