CONTENTS

SECTION 1: BASICS

1. **Analysis of the Aging Face** 3
   Emily O McLean, Emmy Graber
2. **Principles of Laser, Light, and Tissue Interactions** 9
   Omer Ibrahim, Jeffrey S Dover
3. **Laser, Light and Energy-based Devices** 18
   Murad Alam
4. **Home-use Dermatological Devices: Principles and Applications** 26
   J Frank Nash, Frank Beerwerth
5. **Clinical Endpoints** 41
   Girish C Mohan, Molly Wanner
6. **Laser Safety** 52
   Saami Khalifian, Sandy S Tsao

SECTION 2: VASCULAR

7. **Pediatric Vascular Lesions** 63
   Jennifer Lynn Goodrich, J Stuart Nelson
8. **Acquired Vascular Lesions** 80
   Hana Jeon, Roy G Geronemus
9. **Leg Veins** 89
   Neil Sadick

SECTION 3: HAIR

10. **Energy-based Hair Removal** 97
    Saami Khalifian, Christine Caroline Dierickx
11. **Hair Transplantation for Women and Men** 112
    Marc R Avram

SECTION 4: PIGMENTARY DISORDERS AND TATTOOS

12. Melasma and Postinflammatory Hyperpigmentation **121**
Hao Feng, Arielle NB Kauvar

13. Pigmented Lesions **138**
Wai Man Mandy Chan, Henry HL Chan

14. Tattoos **148**
Kelly Stankiewicz, Suzanne Linsmeier Kilmer

SECTION 5: REJUVENATION, SCAR REMODELING AND BODY CONTOURING

15. Laser Resurfacing **161**
Jill Katherine Cotseones, Lindsay Rachel Sklar, Omar A Ibrahimi, Suzanne Linsmeier Kilmer

16. Skin Tightening **183**
Macrene Renee Alexiades

17. Chemical Peels **195**
Kachiu C Lee, Gary D Monheit

18. Topical Treatments **206**
Zoe Diana Draelos

19. Scars: Burn, Traumatic, and Surgical **215**
John P Tsatalis, Ali Rajabi-Estarabadi, Caiwei Zheng, Keyvan Nouri

20. Laser Treatment of Acne Scars **227**
Oge C Onwudiwe, Elizabeth L Tanzi

21. Fat and Cellulite **235**
Catherine DiGiorgio, Mathew M Avram

SECTION 6: SOFT TISSUE FILLERS AND NEUROMODULATORS

22. Soft Tissue Fillers **249**
Lauren Meshkov Bonati, Mona Sadeghpour, Thomas E Rohrer

23. Cosmetic Neuromodulators **266**
Jean Diana Carruthers, James Alastair Carruthers

SECTION 7: MEDICAL APPLICATIONS

24. Laser and Light-based Therapies for Acne Vulgaris **279**
H Ray Jalian

25. Hyperhidrosis **285**
Yakir Levin, Cameron Rokhsar

26. Laser Treatment of Onychomycosis **301**
Christine Chen, Meera Kohli, Shivani Sharma, Kachiu C Lee

27. Laser Treatment of Actinic Keratosis and Nonmelanoma Skin Cancer **320**
Oge C Onwudiwe, Zeina Tannous

28. Photodynamic Therapy for Actinic Keratosis and Nonmelanoma Skin Cancer **332**
Samantha L Schneider, David M Ozog

Index **349**