

Contents

Videos	ix
Foreword	x
Preface	xi
Contributors	xii

Part I Science and Principles

1 Wound Healing: Science and Clinical Relevance	2
<i>Aditya Sood, Jonathan Keith, and Mark S. Granick</i>	
2 Hand and Upper Extremity Anatomy	9
<i>Loretta Coady-Fariborzian and Winston Richards</i>	
3 Anatomy of the Lower Extremity	18
<i>Mario Rueda, Steven Rueda, Brendan Alleyne, Richard L. Drake, and Raffi Gurunluoglu</i>	
4 Anatomy of the Trunk	30
<i>Mario Rueda, Steven Rueda, Brendan Alleyne, Richard L. Drake, and Raffi Gurunluoglu</i>	
5 Surgical Principles: Grafts, Flaps, Microsurgery	40
<i>Mark Leyngold and Adam J. Katz</i>	
6 Principles of Facial Aesthetics	48
<i>Krishna S. Vyas and Henry C. Vasconez</i>	
7 Lasers and Radiant Energy in Plastic Surgery	68
<i>Richard Gregory</i>	

Part II Skin and Soft Tissue

8 Burn and Thermal Injury	78
<i>Steven J. Hermiz, Paul Diegidio, and C. Scott Hultman</i>	
9 Skin Cancer	93
<i>Lauren C. Nigro, Shuhao Zhang, Maryann E. Martinovic, and Andrea L. Pozez</i>	
10 Hidradenitis Suppurativa, Necrotizing Fasciitis, and Soft Tissue Infections	104
<i>J. Blair Summitt, Yee Cheng Low, and Nishant Ganesh Kumar</i>	
11 Pressure Ulcers	112
<i>Noah H. Prince, Rachel Cohen-Shohet, and Bruce A. Mast</i>	

Part III Pediatric Plastic Surgery

12 Cleft Lip Deformity	122
<i>Ashley K. Lentz</i>	

13	Cleft Palate Repair by Double Opposing Z-Plasty	127
	<i>Leonard T. Furlow Jr.</i>	
14	Craniosynostosis	135
	<i>Jessica A. Ching and John H. Phillips</i>	
15	Ear Reconstruction and Otoplasty	144
	<i>Stephanie Suprenant, Ruston Sanchez, and Timothy W. King</i>	
16	Nevi and Vascular Malformations	156
	<i>Christopher J.M. Brooks</i>	

Part IV Craniofacial

17	Reconstruction of the Scalp and Forehead	164
	<i>Edward A. Luce</i>	
18	Nasal Reconstruction	181
	<i>Patrick J. Buchanan, William J. Campbell, and Bruce A. Mast</i>	
19	Facial Fractures	188
	<i>Russell Walther, Luke Pearson, Sushmita Mittal and Dhruv Singhal</i>	
20	Rhinoplasty	203
	<i>Geo N. Tabbal and Alan Matarasso</i>	
21	Browlift and Blepharoplasty	215
	<i>Jorge de la Torre and Cristiano Boneti</i>	
22	Face and Neck Rejuvenation	224
	<i>Ahmed M. Hashem, Rafael A. Couto, Cagri Cakmakoglu, Eliana F. R. Duraes, and James E. Zins</i>	
23	Facial Rejuvenation with Injectables	247
	<i>Lynn A. Damitz</i>	

Part V Hand and Upper Extremity

24	Hand Fractures	256
	<i>Lisa M. Block and A. Neil Salyapongse</i>	
25	Soft-Tissue Reconstruction of the Hand and Upper Extremity	268
	<i>Wendy Lynne Czerwinski and Robert A. Weber</i>	
26	Tendon Repair	275
	<i>Brian D. Rinker</i>	
27	Nerve Compression Syndromes of the Upper Extremity	286
	<i>Loretta Coady-Fariborzian and Winston Richards</i>	
28	Replantation and Amputation of Fingers	295
	<i>Michael Friel and William C. Lineaweaver</i>	

29	Dupuytren's and Trigger Finger	300
	<i>Chris McCarthy and Sonu A. Jain</i>	

Part VI Breast

30	Breast Reduction	308
	<i>Rukmini S. Rednam and Bruce A. Mast</i>	
31	Mastopexy	319
	<i>Francesco M. Egro, Edward H. Davidson, and Kenneth C. Shestak</i>	
32	Breast Augmentation	333
	<i>Richard C. Baynosa, Andrew G. Silver, and Rachel I. Mason Weber</i>	
33	Breast Reconstruction with Devices	342
	<i>Daniel F. Haynes</i>	
34	Breast Reconstruction with Free Flaps	350
	<i>Nasim Abedi and Steven L. Bernard</i>	
35	Breast Reconstruction Using the Latissimus Dorsi Myocutaneous Flap	360
	<i>Galen Perdikis and Stephanie L. Koonce</i>	
36	Oncoplastic Breast Surgery	365
	<i>Albert Losken and Alexandra M. Hart</i>	
37	Tuberous Deformity of the Breast (Breast Implantation Base Constriction)	374
	<i>Manuel R. Vegas and José L. M. del Yerro</i>	
38	Poland Syndrome	387
	<i>Patrick J. Buchanan and Bruce A. Mast</i>	
39	Gynecomastia	395
	<i>Brandon K. Richland, Emil J. Kohan, and Gregory R.D. Evans</i>	

Part VII Chest, Trunk, and Lower Extremity Reconstruction

40	Sternal Reconstruction	404
	<i>R. Brad Nesmith, Zachary T. Young, and Adam J. Katz</i>	
41	Abdominal Wall Reconstruction	412
	<i>Gregory A. Dumanian and Bruce A. Mast</i>	
42	Lower Extremity Reconstruction	421
	<i>Mark M. Leyngold</i>	

Part VIII Body Contouring

43	Liposuction	430
	<i>Julian Winocour, John Layliev, Han Shi, Varun Gupta, and Kent K. Higdon</i>	
44	Abdominoplasty	442
	<i>Bruce A. Mast</i>	

45	Lower Body Lift	451
	<i>Paul N. Afroz and Jeffrey A. Guseenoff</i>	
46	Brachioplasty.....	459
	<i>J. Peter Rubin</i>	
47	Thigh Lift and Reduction	468
	<i>Paul A. Ghareeb, Alexandra M. Hart, and Felmont F. Eaves</i>	
	Index	473