
Contents

1	Introduction	1
2	Otoplasty	3
2.1	Introduction	3
2.1.1	Epidemiology	3
2.1.2	Embryology	3
2.1.3	Anatomy	4
2.2	Psychosocial Aspects	6
2.3	Preoperative Evaluation	6
2.4	Treatment Options	6
2.5	Time of Otoplasty	7
2.6	Techniques of Otoplasty	7
2.6.1	Pure Stitching Techniques	7
2.6.2	Pure Incision Techniques	8
2.6.3	Combined Incision-Suture Techniques	8
2.6.4	Lobuloplasty	9
2.6.5	Nonsurgical Correction of Protruding Ears	9
2.6.6	Complications of Otoplasty	9
2.7	Postoperative Care	15
	References	15
3	Microtia and Other Congenital Auricular Deformities	17
3.1	Introduction	17
3.2	Embryology	17
3.3	Anatomy	18
3.4	Microtia	18
3.4.1	Classification	18
3.4.2	Patient Evaluation	20
3.4.3	Surgical Reconstruction	20
3.4.4	Complications	23
3.4.5	Composite Autogenous/Alloplastic Reconstruction	23
3.4.6	Prosthetic Reconstruction	23

3.5	Constricted Ear.	24
3.6	Cryptotia	25
3.7	Stahl's Ear	25
	References.	26
4	Breast Augmentation in Children	29
4.1	Introduction	29
4.2	Embryology	29
4.3	Breast Anatomy	29
4.4	Patient Evaluation	30
4.5	Implant Selection	30
4.6	Treatment Option	30
4.7	Implant Type	33
4.8	Implant Placement	34
4.9	Postoperative Care	35
4.10	Complications	35
	References.	36
5	Breast Reconstruction in Congenital Deformities	39
5.1	Introduction	39
5.2	Embryology	39
5.3	Anatomy.	39
5.4	Diagnosis	40
5.5	Classification	40
5.5.1	Breast Hyperplasia.	40
5.5.2	Breast Masses.	45
5.5.3	Breast Hypoplasia	46
5.5.4	Tuberous Breasts	50
5.5.5	Breast Asymmetry	50
5.5.6	Traumatic and Iatrogenic Breast Disease.	52
5.5.7	Breast Infection	52
5.5.8	Nipple Discharge	53
	References.	55
6	Male Breast Reduction	57
6.1	Introduction	57
6.2	Embryology	57
6.3	Anatomy.	57
6.4	Pathophysiology.	58
6.5	Pathology	59
6.6	Classification	59
6.7	Clinical Manifestation	60
6.8	Diagnosis	60
6.9	Treatment Option	61
6.9.1	Conservative Treatment.	62
6.9.2	Surgical Treatment.	62

6.10	Complications	64
6.11	Postoperative Care	65
	References	65
7	Cleft Lip and Palate	67
7.1	Introduction	67
7.2	Embryology	67
7.3	Cleft Anatomy	67
7.4	Epidemiology	68
7.5	Etiology	68
7.6	Diagnosis	70
7.7	Surgical Evaluation and Classification	70
7.8	Treatment of Cleft Patients	74
7.8.1	Feeding	74
7.8.2	Presurgical Nasoalveolar Molding	74
7.8.3	Cleft Lip Surgery	76
7.8.4	Additional Surgery	82
7.8.5	Secondary Surgery	84
	References	86
8	Polydactyly	89
8.1	Introduction	89
8.2	Embryology	89
8.3	Classification	90
8.4	Polydactyly	90
8.4.1	Classification	91
8.4.2	Patient Evaluation	92
8.4.3	Treatment Option	92
8.5	Symphalangism (Synostosis)	97
8.6	Triphalangeal Thumb	97
8.7	Brachydactyly	98
8.8	Kirner's Deformity	99
8.9	Clinodactyly	99
8.10	Camptodactyly	100
8.11	Macroductyly	101
8.12	Thumb Hypoplasia	102
8.13	Congenital Constriction Band Syndrome	102
8.14	Congenital Trigger Thumb	103
	References	104
9	Syndactyly	107
9.1	Introduction	107
9.2	Embryology	107
9.3	Epidemiology	108
9.4	Classification	108
9.5	Patient Presentation	110

9.6	Treatment/Surgical Technique	112
9.6.1	Digital Incisions	112
9.6.2	Creation of a Web	114
9.6.3	Lateral Soft Tissue Defects	115
9.6.4	Separation of the Fingertips	115
9.7	Postoperative Care	115
9.8	Complications	115
9.9	Secondary Procedures	116
9.10	Poland's Syndrome	116
9.11	Apert's Syndrome	118
	References	119
10	Pigment Lesions	121
10.1	Introduction	121
10.2	Congenital Melanocytic Nevi	122
10.2.1	Treatment of CMN	124
10.3	Acquired Melanocytic Nevi	128
10.4	Speckled Lentiginous Nevus	129
10.5	Halo Nevus	130
10.6	"Café au lait" Macula	130
10.7	Congenital Dermal Melanocytosis	131
10.8	Spitz Nevus	132
10.9	Atypical Melanocytic Nevus	133
10.10	Melanoma	134
	References	135
11	Benign Skin and Soft Tissue Tumors	137
11.1	Introduction	137
11.2	Developmental Defects	138
11.2.1	Cranial Defects	138
11.2.2	Nasal Defects	138
11.2.3	Sinus Preauricularis and Accessory Tragus	141
11.2.4	Neck Anomalies	142
11.3	Benign Skin Tumors	148
11.3.1	Benign Lesions of Epidermal Origin	148
11.3.2	Benign Lesions of Dermal Origin	148
11.3.3	Benign Soft Tissue Tumors	150
11.4	Infective Lesions	153
11.4.1	Hidradenitis Suppurativa	153
11.4.2	Lymphadenopathy	154
	References	155
12	Malignant Skin and Soft Tissue Tumors	159
12.1	Introduction	159
12.2	Rhabdomyosarcoma	159
12.3	Infantile Fibrosarcoma	161

12.4	Cervical Teratoma	162
12.5	Cutaneous Neuroblastoma	164
12.6	Dermatofibrosarcoma Protuberans (DFSP)	164
12.7	Synovial Sarcoma	167
12.8	Lymphoma	168
12.9	Congenital Leukemia Cutis	169
12.10	Peripheral Primitive Neuroectodermal Tumor (pPNET)	169
12.11	Langerhans Cell Histiocytosis (LCH)	170
12.12	Hemangioendothelioma and Tufted Angioma	171
	References	172
13	Hemangiomas	175
13.1	Introduction	175
13.2	Epidemiology	175
13.3	Pathogenesis	175
13.4	Clinical Features	176
13.5	Complications	178
13.6	Congenital Hemangiomas	180
13.7	Syndromes	181
13.8	Patient Evaluation	182
13.9	Treatment Option	182
13.9.1	Propranolol	182
13.9.2	Corticosteroids	184
13.9.3	Interferons	185
13.9.4	Chemotherapy	185
13.9.5	Surgical Management	186
13.9.6	Laser Therapy	187
13.10	Pyogenic Granuloma	187
	References	188
14	Lymphatic Malformation	191
14.1	Introduction	191
14.2	Clinical Features	191
14.3	Complication (Symptoms) of LMs	193
14.4	Patient Evaluation	195
14.5	Treatment Option	195
14.5.1	Sclerotherapy	196
14.5.2	Surgery	199
14.5.3	Laser Therapy	200
14.5.4	Pharmacotherapy	200
14.6	Lymphedema	202
	References	203
15	Venous Malformation	205
15.1	Introduction	205
15.2	Complications (Symptoms) of VM	209

15.3	Patient Evaluation	209
15.4	Treatment Options	209
15.4.1	Conservative Treatment	210
15.4.2	Sclerotherapy	210
15.4.3	Surgical Excision	211
15.4.4	Laser Ablation	211
	References	213
	Index	215

Pediatric and Adolescent Plastic Surgery for the
Clinician

Vlahovic, A.; Haxhija, E.

2017, XVII, 218 p. 144 illus. in color., Hardcover

ISBN: 978-3-319-56003-8