

Contents

Preface	xv
Acknowledgments	xvii
Contributors	xix
Part I: Cornea and External Disease	
1 Acute Follicular Conjunctivitis	2
<i>Usha Rajapuram Kumar and Weldon W. Haw</i>	
2 Chronic Follicular Conjunctivitis	5
<i>Brian Jem Jin Chang and Weldon W. Haw</i>	
3 Acute Bacterial Conjunctivitis	8
<i>Abigail Huang and Weldon W. Haw</i>	
4 Pterygium	11
<i>Weldon W. Haw and Edward E. Manche</i>	
5 Recurrent Erosion/Epithelial Basement Membrane Dystrophy	13
<i>Weldon W. Haw</i>	
6 Fuchs' Corneal Dystrophy	16
<i>Weldon W. Haw</i>	
7 Keratoconus	19
<i>Aaron Wang and Weldon W. Haw</i>	
8 Microbial Keratitis	22
<i>Weldon W. Haw</i>	
9 Keratoconjunctivitis Sicca—Dry Eye	25
<i>Aaron Wang, Scheffer C. G. Tseng, and Weldon W. Haw</i>	
10 Postsurgical Corneal Edema	29
<i>Weldon W. Haw</i>	
11 Dellen	33
<i>Weldon W. Haw</i>	
12 Graft Rejection Following Penetrating Keratoplasty	35
<i>Aaron Wang, Matthew R. Jones, and Weldon W. Haw</i>	
13 Blepharitis	38
<i>Weldon W. Haw</i>	

Contents

Part II: Lens

14	A Nearly Mature Cataract in a Patient with Glaucoma	42
	<i>I. Howard Fine and Charles C. Lin</i>	
15	Retained Lens Material after Cataract Extraction	45
	<i>Ruwan A. Silva and Charles C. Lin</i>	
16	Fibrin Deposition on Intraocular Lenses	48
	<i>Christopher N. Ta</i>	
17	Subluxated Crystalline Lens	50
	<i>David F. Chang and Bryan S. Lee</i>	
18	Congenital Cataract	54
	<i>Edward H. Wood and Nandini G. Gandhi</i>	

Part III: Glaucoma

19	Ocular Hypertension	60
	<i>Don C. Nguyen and Kuldev Singh</i>	
20	Open-Angle Glaucoma	63
	<i>Bac Tien Nguyen and Sally Byrd</i>	
21	Primary Angle-Closure Glaucoma	67
	<i>Peter A. Netland and Eitan S. Burstein</i>	
22	Pigmentary Glaucoma	71
	<i>Yasemin G. Sozeri, Scott A. Cory, and James C. Robinson</i>	
23	Neovascular Glaucoma	74
	<i>Daniel Y. Choi and Stephen A. Lin</i>	
24	Inflammatory Glaucoma	77
	<i>Robert Kule and Anne L. Coleman</i>	
25	Primary Congenital Glaucoma	80
	<i>Elena Bitrian and Alana L. Grajewski</i>	
26	Ocular Hypotony	83
	<i>Thomas W. Samuelson</i>	
27	Posttrabeculectomy Wound Leak	87
	<i>Xuan Thanh Le-Nguyen and Robert M. Feldman</i>	
28	Failing Filtering Bleb	90
	<i>Xuan Thanh Le-Nguyen and Robert M. Feldman</i>	
29	Flat Anterior Chamber	93
	<i>Martha Motuz Leen</i>	

30	Persistent Choroidal Detachment	97
	<i>Donald L. Budenz</i>	
Part IV: Retina		
31	Nonproliferative Diabetic Retinopathy	102
	<i>Thalmon R. Campagnoli and William E. Smiddy</i>	
32	Diabetic Macular Edema	105
	<i>Thalmon R. Campagnoli and William E. Smiddy</i>	
33	Proliferative Diabetic Retinopathy	108
	<i>Thalmon R. Campagnoli and William E. Smiddy</i>	
34	Retinal Arterial Occlusion	111
	<i>Amir Mohsenin and William E. Smiddy</i>	
35	Central Retinal Vein Occlusion	114
	<i>William E. Smiddy</i>	
36	Branch Retinal Vein Occlusion	117
	<i>William E. Smiddy</i>	
37	Nonexudative Age-Related Macular Degeneration	120
	<i>John Edward Legarreta</i>	
38	Exudative Age-Related Macular Degeneration	123
	<i>John Edward Legarreta</i>	
39	Myopic Degeneration	126
	<i>Amir Mohsenin and William E. Smiddy</i>	
40	Idiopathic Central Serous Chorioretinopathy	129
	<i>Ella Leung</i>	
41	Epiretinal Membrane	131
	<i>Ajay E. Kuriyan</i>	
42	Vitreomacular Traction	134
	<i>Thalmon R. Campagnoli and William E. Smiddy</i>	
43	Vitreous Hemorrhage	137
	<i>William E. Smiddy and Thalmon R. Campagnoli</i>	
44	Retinitis Pigmentosa	140
	<i>Byron L. Lam</i>	
Part V: Uveitis		
45	Choroiditis	144
	<i>Sarah P. Read</i>	

Contents

46	Retinitis	147
	<i>Sarah P. Read</i>	
47	The White Dot Syndromes	150
	<i>Tayebe K. Ali, Blake A. Isernhagen, and Thomas Albin</i>	
Part VI: Tumors		
48	Vascular Tumor	158
	<i>Eric D. Hansen and William E. Smiddy</i>	
49	Choroidal Melanoma	162
	<i>Basil K. Williams, Jr.</i>	
Part VII: Posterior Segment Complications		
50	Dislocated Posterior Chamber Intraocular Lens	168
	<i>Thalmon R. Campagnoli, Mozart de O. Mello Jr., and William E. Smiddy</i>	
51	Cystoid Macular Edema	171
	<i>Andrew S. Camp and William E. Smiddy</i>	
52	Endophthalmitis	174
	<i>Brian E. Goldhagen and William E. Smiddy</i>	
53	Suprachoroidal Hemorrhage	177
	<i>Carlos A. Medina Mendez, Ingrid U. Scott, and William E. Smiddy</i>	
Part VIII: Trauma		
54	Ruptured Globe	182
	<i>Jonathan H. Tzu and William E. Smiddy</i>	
55	Intraocular Foreign Body	186
	<i>Jonathan H. Tzu and William E. Smiddy</i>	
Part IX: Neuro-Ophthalmology		
56	Optic Neuritis	192
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
57	Optic Disc Edema with Macular Star (Neuroretinitis)	195
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
58	Anterior Ischemic Optic Neuropathy—Nonarteritic	197
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
59	Anterior Ischemic Optic Neuropathy—Arteritic	199
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	

60	Progressive Optic Neuropathy—Tumor	201
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
61	Papilledema—Pseudotumor Cerebri	203
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
62	Visual Field Defect—Junctional Scotoma	206
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
63	Visual Field Defect—Pituitary Lesion	208
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
64	Visual Field Defect—Homonymous Hemianopia	210
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
65	Transient Monocular Visual Loss	213
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
66	Third Nerve Palsy—Ischemic	216
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
67	Third Nerve Palsy—Aneurysm	218
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
68	Fourth Nerve Palsy—Congenital	220
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
69	Sixth Nerve Palsy	222
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
70	Internuclear Ophthalmoplegia	224
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
71	Diplopia—Ocular Myasthenia Gravis	226
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
72	Thyroid Ophthalmopathy	229
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
73	Anisocoria—Tonic Pupil	232
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
74	Anisocoria—Horner’s Syndrome	234
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
75	Anisocoria—Eye Drops	236
	<i>Sushma Yalamanchili and Andrew G. Lee</i>	
Part X: Pediatrics		
76	Leukocoria	240
	<i>Tatyana Beketova and Dan S. Gombos</i>	

Contents

77	The Child Who Sees Poorly Out of One Eye	244
	<i>David K. Coats</i>	
78	Childhood Torticollis	248
	<i>David K. Coats</i>	
79	Aniridia	251
	<i>David K. Coats</i>	
80	Retinopathy of Prematurity	254
	<i>David K. Coats and Evelyn A. Paysse</i>	
81	Childhood Esotropia	257
	<i>Evelyn A. Paysse</i>	
82	Childhood Exotropia	260
	<i>Evelyn A. Paysse</i>	
83	Childhood Ptosis	264
	<i>Evelyn A. Paysse</i>	
84	The Apparently Blind Infant	268
	<i>David K. Coats and Evelyn A. Paysse</i>	
85	Optic Nerve Hypoplasia	270
	<i>David K. Coats and Evelyn Paysse</i>	
 Part XI: Orbit / Oculoplastics		
86	Ptosis	274
	<i>Amina I. Malik</i>	
87	Thyroid Eye Disease	276
	<i>Amina I. Malik</i>	
88	Ectropion	279
	<i>Amina I. Malik</i>	
89	Entropion	281
	<i>Amina I. Malik</i>	
90	Trichiasis	283
	<i>Amina I. Malik</i>	
91	Dacryocystitis	285
	<i>Amina I. Malik</i>	
92	Idiopathic Orbital Inflammation	287
	<i>Amina I. Malik</i>	
93	Orbital Cellulitis	289
	<i>Amina I. Malik</i>	

Contents

94	Dacryoadenitis	291
	<i>Amina I. Malik</i>	
95	Orbital Tumors of Childhood	293
	<i>Amina I. Malik</i>	
96	Orbital Tumors in Adults	295
	<i>Amina I. Malik</i>	
97	Benign Tumors of the Eyelid	298
	<i>Amina I. Malik</i>	
98	Malignant Tumors of the Eyelid	300
	<i>Amina I. Malik</i>	
	Index	303