

Contents

1 Anatomy	2
<i>M. Grueb</i>	
Orbit and Ocular Adnexa	3
Blood Supply and Eyeball	5
Ciliary Body/Iris/Pupil/Retina/Optic Nerve	7
2 Optical System and Physiology	8
<i>M. Grueb</i>	
Optical System/Accommodation/Refraction Errors	9
Visual Acuity/Receptors/Visual Field	11
Adaptation/Color Vision	13
3 Lids	14
<i>M. Grueb</i>	
Malformations and Anomalies	15
Dystrophies, Degenerative Conditions, and Age-related Changes	17
Inflammatory Conditions	23
Tumors	27
Surgical Alterations and Trauma	33
4 Lacrimal Apparatus	34
<i>J. Mielke</i>	
Diseases of the Lacrimal Gland	35
Lacrimal Gland Tumors, Lacrimal Ducts	37
5 Orbit	38
<i>J. M. Rohrbach, D. Holland</i>	
Symptoms	39
Investigations/Malformations	43
Vascular Anomalies/Inflammatory Conditions	45
Tumors	47
Injuries/Systematic Classification	49
6 Strabismus	50
<i>H.-S. Walter</i>	
Investigational Methods	51
Nonparalytic Squint	57
Nonparalytic/Paralytic Squint	59
Supranuclear Disorders of Eye Movement	65

7 Conjunctiva	66
<i>J. M. Rohrbach</i>	
Malformations/Degenerative Conditions/Various Conditions	67
Various Conditions/Subconjunctival Hemorrhage	69
Conjunctivitis	71
Tumors	83
Injuries	87
8 Cornea	88
<i>J. Mielke</i>	
Anomalies, Degenerative Conditions	89
Degenerative Conditions, Dystrophies	91
Epithelial and Subepithelial Dystrophies	93
Stromal Dystrophies, Endothelial Dystrophies	95
Keratoconus, Infections	97
Herpes Simplex, Herpes Zoster	99
Epidemic Keratitis, Acanthamoeba Keratitis, Fungi	101
UV Injury, Chemical Injury, Burns	103
Injuries, Surgical Changes	105
Keratoplasty, Rejection Reactions	107
9 Sclera	108
<i>T. Schlote</i>	
Malformations/Degenerative Conditions/Episcleritis	109
Scleritis	111
Tumors/Surgical Changes	113
10 Choroid and Iris	114
<i>T. Schlote</i>	
Malformations and Anomalies	115
Dystrophies/Vascular Changes	117
Benign Tumors	119
Malignant Tumors	121
Malignant Tumors	123
Surgery/Injuries	125
Uveitis	127
11 Lens	134
<i>J. M. Rohrbach</i>	
Presbyopia	135
Cataract	139
Lens Dislocation	149
Inflammation/Tumors/Trauma/Lens Resorption	151
12 Glaucoma	152
<i>M. Grueb</i>	
Definition/Classification/Diagnosis	153
Primary Congenital Glaucoma, Dysgenetic Glaucoma	155
Primary Open-Angle Glaucoma	157

Secondary Open-Angle Glaucoma	159
Primary Angle-Closure Glaucoma	163
Secondary Angle-Closure Glaucoma	165
Treatment	167
13 Retina and Vitreous Body	168
<i>F. Gellissen</i>	
Congenital Anomalies and Tumors	169
Degenerative Conditions and Age-related Changes	171
Retinal Detachment	173
Vascular Diseases of the Retina	179
Diabetic Retinopathy	185
14 Macula	188
<i>U. Schneider</i>	
Diagnosis	189
Age-related Changes, Degenerative Conditions	191
Degenerative Conditions	193
Inflammatory Conditions	197
Macular Dystrophies	199
Traumatic and Postoperative Maculopathies	201
15 Optic Nerve and Optic Pathway	202
<i>P. Weckerle</i>	
Malformations and Anomalies	203
Unilateral Optic Neuropathy	207
Bilateral Optic Neuropathy	209
Inflammation	213
Traumatic Optic Neuropathy	215
Tumors, Infiltration	217
Papilledema	219
Visual Field	221
16 Drug-induced Ocular Side-Effects	222
<i>T. Schlote</i>	
Lid and Conjunctival Changes	223
Pemphigoid/Corneal Changes	225
Drug-induced Glaucoma	227
Cataract	229
Retinal Changes	231
Optic Neuropathy/Transitory Myopia	233
17 Eye Diseases in Developing Countries	234
<i>J. Mielke</i>	
Epidemiology/Cataract/Trachoma/Glaucoma	235
Onchocerciasis/Loa loa/Vitamin A Deficiency	237
18 Index	238