

Contents

Videos	xi
Foreword	xiii
Preface	xv
Acknowledgment	xvii
About the Editors	xix
Section Editors	xxi
Contributors	xxiii

Section 1: Cornea and External Eye Diseases

1. Inflammations of Conjunctiva <i>M. Vanathi, Jyoti Deswal, Navneet Sidhu, Manu Muralee Krishna, and Nimmy Raj</i>	3
2. Inflammation of Cornea <i>M. Vanathi, Jyoti Deswal, Kusumitha, Neha Kumari, Tanveer Alam Khan, and Navneet Sidhu</i>	8
3. Ocular Surface Disorders <i>M. Vanathi, Jyoti Deswal, Pooja Kumari, Nimmy Raj, and Tanveer Alam Khan</i>	22
4. Dystrophies and Degenerations of the Conjunctiva and Cornea <i>M. Vanathi, Jyoti Deswal, Navneet Sidhu, and Tanveer Alam Khan</i>	30
5. Corneal Ectasias <i>M. Vanathi, Jyoti Deswal, and Navneet Sidhu</i>	38
6. Corneal Injuries <i>M. Vanathi, Jyoti Deswal, Nimmy Raj, Pooja Kumari, and Tanveer Alam Khan</i>	44
7. Ocular Surface Dysplasia and Malignancy <i>M. Vanathi and Jyoti Deswal</i>	51

Section 2: Disorders of the Eyelids, Lacrimal Apparatus, and Orbit

8. Inflammatory Disorders of the Eyelids <i>Urmil Chawla and A. K. Khurana</i>	59
9. Trichiasis, Distichiasis, and Entropion <i>Khushboo Sheoran, Urmil Chawla, and A. K. Khurana</i>	68
10. Ectropion and Facial Nerve Palsy <i>Urmil Chawla and A. K. Khurana</i>	80
11. Symblepharon and Ankyloblepharon <i>Urmil Chawla and A. K. Khurana</i>	98
12. Blepharospasm and Related Disorders <i>Urmil Chawla and A. K. Khurana</i>	103
13. Management of Ptosis <i>Urmil Chawla and A. K. Khurana</i>	109

14.	Eyelid Trauma and Techniques of Eyelid Repair <i>Shaloo Bageja, Mohammad Faraz Ahmad, and A. K. Grover</i>	125
15.	Tumors of the Eyelid <i>Khushboo Sheoran, Tejal Bidhalan, and Urmil Chawla</i>	136
16.	Dacryocystitis <i>Vandana Sharma and Urmil Chawla</i>	146
17.	Dacryoadenitis <i>Vandana Sharma and Urmil Chawla</i>	160
18.	Punctal and Canalicular Disorders <i>Vandana Sharma and Urmil Chawla</i>	164
19.	Management of Proptosis and Enophthalmos <i>Monika Dahiya, Urmil Chawla, and A. K. Khurana</i>	173
20.	Orbital Infections and Inflammations <i>Monika Dahiya, Urmil Chawla, and A. K. Khurana</i>	183
21.	Thyroid Eye Disease <i>Urmil Chawla and A. K. Khurana</i>	201
22.	Tumors of the Orbit <i>Sahil Agarwal and Neelam Pushker</i>	210
23.	Evisceration and Enucleation <i>Apoorva Goel and Urmil Chawla</i>	223
Section 3: Disorders of Lens and Cataract Surgery		
24.	Biometry and Calculation of Intraocular Lens Power <i>Nirupama Kasturi and Ramesh Dorairajan</i>	233
25.	Ophthalmic Viscosurgical Devices and Irrigating Fluids <i>Nirupama Kasturi and Arup Chakrabarti</i>	243
26.	Modern Intraocular Lenses <i>Prashob Mohan and Sheetal Harman Brar</i>	252
27.	Extracapsular Cataract Extraction and Manual Small-Incision Cataract Surgery <i>N. Sandhya and Shivkumar Chandrashekharan</i>	277
28.	Phaco Machines and Phacodynamics <i>Shail Vasavada, Abhay Vasavada, and Anant Vir Jain</i>	290
29.	Phacoemulsification: Surgical Techniques and Steps <i>Rengaraj Venkatesh, Annamalai Odayappan, and Pavan Kumar</i>	295
30.	Phacoemulsification in Special Circumstances <i>Sayan Das, Fariha Tahsin, Swati Kumari, Sagnik Surya Das, and Arup Chakrabarti</i>	308
31.	Management of Zonular Deficiency <i>Shail Vasavada and Abhay Vasavada</i>	326
32.	Pediatric Cataract Surgery <i>Jitendra Jethani and Neena R.</i>	332
33.	IOL Implantation in the Absence of Posterior Capsular Support <i>Meena Chakrabarti and Arup Chakrabarti</i>	337

34.	Intraoperative Complications of Phacoemulsification and Their Management <i>Manas Nath and Annamalai Odayappan</i>	353
35.	Postoperative Complications of Phacoemulsification <i>Manas Nath, Annamalai Odayappan, Parul Ichhpujani, and Meena Chakrabarti</i>	379
Section 4: Refractive Surgery		
36.	Patient Selection and Preoperative Evaluation for Refractive Surgery <i>Nitin Balakrishnan</i>	403
37.	Surface Ablation <i>Vinod Arora</i>	407
38.	Flap-Based Laser Vision Correction <i>Pranita Sahay and Gitansha Shreyas Sachdev</i>	410
39.	Recent Advances in Excimer Laser Ablation Profiles <i>Vardhaman P. Kankariya and Ankita B. Dube</i>	420
40.	Small Incision Lenticule Extraction <i>Mahipal Singh Sachdev and Gitansha Shreyas Sachdev</i>	425
41.	Refractive Surgery in Presbyopia <i>Pranita Sahay</i>	431
42.	Phakic Intraocular Lenses and Other Lens-Based Procedures <i>Pranita Sahay and Mahipal Singh Sachdev</i>	435
43.	Refractive Surprise Management Following Cataract Surgery <i>Vinod Arora</i>	441
44.	Complications of Refractive Surgery <i>Gitansha Shreyas Sachdev, Mahipal Singh Sachdev, Hemlata Gupta, Mithun Thulasidas, and Raghav Malik</i>	445
Section 5A: Glaucoma: Diagnostics		
45.	Gonioscopy <i>Rajul Parikh and Shefali Parikh</i>	459
46.	Essential Pearls for Interpreting Visual Field Charts Using Octopus Perimeter and Humphrey Perimeter <i>Himanshi Singh and Parul Ichhpujani</i>	465
47.	Interpretation of OCT Scan for Glaucoma <i>Suneeta Dubey</i>	472
Section 5B: Glaucoma: Clinical Entities		
48.	Developmental Glaucoma <i>Suneeta Dubey and Kanika Jain</i>	479
49.	Primary Angle-Closure Glaucoma <i>Parul Ichhpujani and Suresh Kumar</i>	485
50.	Primary Open-Angle Glaucoma <i>Parul Ichhpujani and Suresh Kumar</i>	489
51.	Ocular Hypertension <i>Parul Ichhpujani</i>	493

52.	Normal-Tension Glaucoma <i>Gaurav Gupta and Sushmita Kaushik</i>	495
53.	Pseudoexfoliation Syndrome <i>Parul Ichhpujani and Ekta Singla</i>	498
54.	Steroid-Induced Glaucoma <i>Parul Ichhpujani</i>	500
55.	Traumatic Glaucoma <i>Parul Ichhpujani</i>	503
56.	Pigment Dispersion Syndrome and Pigmentary Glaucoma <i>Ekta Singla and Parul Ichhpujani</i>	506
57.	Neovascular Glaucoma <i>Parul Ichhpujani and Suresh Kumar</i>	509
Section 6: Disorders of Uvea and Sclera		
58.	Anterior Uveitis <i>Bhavini Johri and Parthopratim Dutta Majumder</i>	515
59.	Intermediate Uveitis <i>Bhavini Johri and Parthopratim Dutta Majumder</i>	520
60.	Posterior Uveitis <i>Vishnu Deepthi, Rakshita Kene, and Parthopratim Dutta Majumder</i>	523
61.	Panuveitis <i>Vishnu Deepthi, Rakshita Kene, and Parthopratim Dutta Majumder</i>	529
62.	Uveitis in Children <i>Debahuti Midhya and Parthopratim Dutta Majumder</i>	534
63.	Retinal Vasculitis <i>Arkaprava Pradhan, Rakshita Kene, and Parthopratim Dutta Majumder</i>	539
64.	Scleral Inflammations <i>Vishnu Deepthi, Rakshita Kene, and Parthopratim Dutta Majumder</i>	543
Section 7: Retina and Vitreous		
65.	Vitreoretinal Disorders <i>Hussain Ahmad Khaqan</i>	551
66.	Vascular Disorders of Retina <i>Hussain Ahmad Khaqan</i>	567
67.	Preferred Pattern of Practices for Vitreoretinal Diseases <i>Hussain Ahmad Khaqan</i>	574
68.	Retinal Detachment <i>Hussain Ahmad Khaqan</i>	580
69.	Endophthalmitis <i>Hussain Ahmad Khaqan</i>	586
70.	Hypertensive Retinopathy <i>Hussain Ahmad Khaqan</i>	592

71. Retinoblastoma 597
Hussain Ahmad Khaqan and Divya Srivastava

Section 8: Neuro-Ophthalmology

72. Congenital Optic Disc Anomalies 609
Manjushree Bhate
73. Pupils 612
Rohit Saxena and Swati Phuljhele Aalok
74. Papilledema 615
Satya Karna and Sampada Kulkarni
75. Optic Neuritis 618
Swati Phuljhele Aalok and Rohit Saxena
76. Inherited and Other Optic Neuropathies 622
Manjushree Bhate and Sanjana Jaiswal
77. Ocular Myasthenia Gravis 626
Aditi Parikh, Rohan Nalawade, and Manjushree Bhate
78. Supranuclear Motility Disorders 630
Akshay Badakere
79. Neuro-ophthalmology: Nystagmus 635
Manjushree Bhate and Rashmin Gandhi
80. Transient Visual Obscurations 638
Sampada Kulkarni and Manjushree Bhate
81. Headache—An Ophthalmology Perspective 641
Akshay Badakere and Shruthi Bathula
82. Cerebral Visual Impairment 645
Sahithya Bhaskaran and Mahesh Kumar

Section 9: Strabismus and Pediatric Ophthalmology

83. Assessment of Vision in Children 651
Shreya Shah, Mehul Shah, and Bhawna P. Khurana
84. Evaluation for Strabismus 654
Shreya Shah, Bhawna P. Khurana, and Sujata Guha
85. Amblyopia: Diagnosis and Management 657
Subhash Dadeya, Shraddha Raj Shrivastava, Shreya Shah, and Vaishali Thomar
86. Comitant Esotropia 662
Shreya Shah, Hemalini Samant, Bhawna P. Khurana, and Sujata Guha
87. Comitant Exotropia 667
Shreya Shah, Varsha Pande, Bhawna P. Khurana, and Sujata Guha
88. Strabismus with A–V Pattern 671
Shreya Shah, Atul Seth, Bhawna P. Khurana, and Sujata Guha
89. Paralytic Strabismus 675
Shubhangi Bhawe, Shreya Shah, and Bhawna P. Khurana

Contents

- | | | |
|-----|--|-----|
| 90. | Dissociated Strabismus Complex
<i>Shreya Shah, Pramod K. Pandey, and Bhawna P. Khurana</i> | 682 |
| 91. | Congenital Cranial Dis-innervation Disorder
<i>Shreya Shah, Suma Ganesh, and Bhawna P. Khurana</i> | 686 |
| 92. | Restrictive Strabismus
<i>Shreya Shah, Mehul Shah, and Bhawna P. Khurana</i> | 692 |
| 93. | Complications of Strabismus Surgery
<i>Atul Seth, Siddharth Kesarwani, Shreya Shah, and Bhawna P. Khurana</i> | 697 |