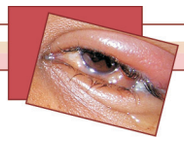
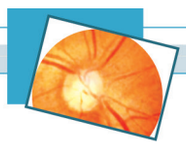
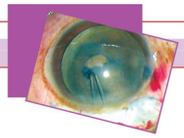
# Contents


**SECTION-1**  **Corneal and External Diseases** **1-136**

1. Investigations for Corneal and External Diseases 3-13
   *Poonam Kishore, Preeti Gupta*
2. External Eye Diseases 14-43
   *Samar K Basak*
3. Diseases of Cornea 44-69
   *Sunita Chaurasia, R Muralidhar, Mukesh Taneja, Virender Sangwan*
4. Corneal Surgeries 70-119
   *Srinivas K Rao, Late G Sitalakshmi*
5. Refractive Surgeries 120-136
   *Ritika Sachdev, Namrata Sharma, Rajesh Sinha, Jeewan S Titiyal*

**SECTION-2**  **Glaucoma** **137-272**

6. Automated Visual Field Assessment, Optic Nerve and Nerve Fiber Layer Imaging 139-157
   *M Baskaran, Arun Narayanaswamy, Lingam Vijaya*
7. Optic Disc Assessment 158-163
   *Harmohina Bagga, G Chandra Sekhar*
8. Primary Congenital Glaucoma 164-167
   *Sushmita Kaushik, Surinder S Pandav*
9. Primary Angle-Closure Glaucoma 168-176
   *Harmohina Bagga, G Chandra Sekhar*
10. Primary Open-Angle Glaucoma 177-188
    *M Baskaran, Arun Narayanaswamy, Lingam Vijaya*
11. Secondary Glaucoma 189-216
    *Kirti Singh*
12. Investigative Techniques Helpful in Glaucoma Surgeries 217-228
    *Tanuj Dada, Parul Sony*
13. Glaucoma Surgeries 229-260
    *Lingam Vijaya, M Baskaran, Ronnie George, Arun Narayanaswamy, Sachi Devi, Aditya Neog*
14. Non-Penetrating Glaucoma Surgeries 261-265
    *Kirti Singh*
15. Nd:YAG Laser Iridotomy, Selective Laser Trabeculoplasty and Cyclophotocoagulation 266-271
    *Sushmita Kaushik, Surinder S Pandav*



**SECTION-3 Cataract** **273-346**

16. Technological Advances in Intraocular Lenses and Instrumentation 275-282
*Jagat Ram, Gagandeep S Brar*

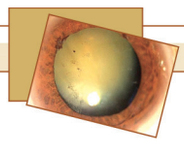
17. Phacoemulsification 283-316
*Kumar Doctor*

18. Microincision Cataract Surgery 317-320
*Kumar Doctor, Chanda Hingorani*

19. Multifocal Intraocular Lenses 321-325
*Leonardo Akaishi, Canrobert Oliveira*

20. Small Incision Cataract Surgery 326-338
*Albrecht Hennig, Vinita Singh*

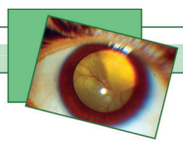
21. Pediatric Cataract Surgery and Intraocular Lens Implantation 339-345
*Jagat Ram, Gagandeep S Brar*



**SECTION-4 Uveitis** **347-406**

22. Uveitis 349-396
*Chinmaya Sahu, S Sudharshan, Jyotirmay Biswas*

23. Surgery in Uveitis: Diagnostic and Therapeutic 397-405
*Vishali Gupta, Sushmita Kaushik, Amod Gupta*



**SECTION-5 Vitreoretinal Diseases** **407-670**

24. Investigations in Retinal Diseases 409-421
*Sandeep Saxena*

25. Spectral-Domain Optical Coherence Tomography in Macular Diseases 422-430
*Sandeep Saxena*

26. Macular and Allied Disorders 431-453
*Pradeep Venkatesh, Lalit Verma, Hem K Tewari*

27. Retinal Vascular Disorders 454-472
*Taraprasad Das, Subhadra Jalali, Vasumathy Vedantham, Ajit B Majji*

28. Laser Treatment in Posterior Segment Disorders 473-498
*Pradeep Venkatesh, Satpal Garg*

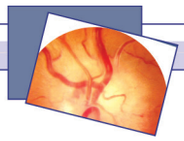
29. Anti-Vascular Endothelial Growth Factor Therapy 499-508
*Atul Kumar, Subijoy Sinha*

30. Vitreoretinal Surgeries 509-562
*Lingam Gopal*

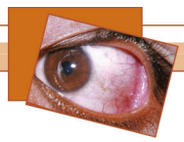
31. Macular Surgeries 563-592
*Sandeep Saxena*

32. Hereditary Vitreoretinal Diseases 593-646
*Parveen Sen, R Priya, J Manju*

33. Ocular Oncology 647-669
*Mahesh P Shanmugam, Praveen R Murthy, Krishna R Murthy*

**SECTION-6**  **Diseases of Optic Nerve** **671-686**

34. Optic Nerve Disorders 673-686
*Radhika Tandon, Lalit Verma*

**SECTION-7**  **Diseases of Lid, Orbit and Lacrimal System** **687-774**

35. Orbital Imaging 689-696
*Apjit Kaur, Mohit Khattri*

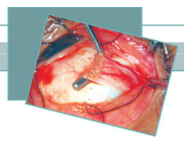
36. Diseases of the Eyelid and Orbit 697-719
*Santosh G Honavar, Milind N Naik, Geeta K Vemuganti, G Chandra Sekhar*

37. Diseases of Lacrimal Drainage System 720-726
*Arnab Biswas*

38. Eyelid and Lacrimal Surgeries 727-758
*Milind N Naik, Santosh G Honavar*

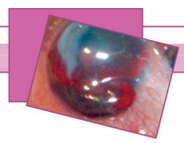
39. Periorbital Rejuvenation 759-764
*Milind N Naik, Rashmi Shetty*

40. Orbital Surgeries 765-773
*Santosh G Honavar, Milind N Naik*

**SECTION-8**  **Strabismus** **775-816**

41. Strabismus 777-795
*Kanwar Mohan*

42. Surgical Treatment of Strabismus 796-815
*Vinita Singh*

**SECTION-9**  **Trauma** **817-834**

43. Ocular Trauma 819-833
*S Natarajan, Kavita Rao, Arindam Chakravarti*

**SECTION-10**  **Practice Management** **835-846**

44. Ophthalmology Practice Management 837-846
*Sandeep Saxena, Puneet Saxena, Manoj K Tangri*

*Index* *847*