

Contents

<i>Foreword by Prof Tin Aung</i>	<i>vii</i>
<i>Preface to the Second Edition</i>	<i>ix</i>
<i>List of Contributors</i>	<i>xiii</i>

Section I. Glaucoma: Introduction, Basics and Epidemiology

1. Glaucoma: Introduction and Classification	3
<i>AK Khurana, Aruj K Khurana, Bhawna P Khurana</i>	
2. Anatomy and Physiology of Aqueous Humour Dynamics and Intraocular Pressure	7
<i>Indu Khurana, Arushi Khurana, AK Khurana</i>	
3. Anatomy of Optic Nerve Head and Pathophysiology of Glaucomatous Damage	36
<i>Indu Khurana, Arushi Khurana, AK Khurana</i>	
4. Epidemiology of Glaucoma	45
<i>AK Khurana, CS Dhull, Pradeep K Khanna</i>	

Section II. Glaucoma Diagnostics: Clinical Evaluation and Investigations

5. Clinical Evaluation of Glaucoma: An Overview	53
<i>Prateep Vyas, Aruj K Khurana, Shweta Goel</i>	
6. Tonometry	61
<i>AK Khurana, Aruj K Khurana, Bhawna P Khurana</i>	
7. Gonioscopy	78
<i>Tanuj Dada, Aruj K Khurana, Bhawna P Khurana</i>	
8. Evaluation of Optic Nerve Head	94
<i>Sushmita Kaushik, Ankur Singh, SS Pandav</i>	
9. Imaging in Glaucoma	103
<i>Sushmita Kaushik, Ankur Singh, SS Pandav</i>	
10. Perimetry and Other Psychophysical Tests in Glaucoma	140
<i>Parul Ichhpujani, Aruj K Khurana</i>	
11. Electrophysiological Techniques in Glaucoma	162
<i>Manisha Nada, Reema Raval, Sujay Chauhan</i>	
12. Ocular Blood Flow in Glaucoma	168
<i>Reema Raval, Shilpa Aggarwal</i>	
13. Genetic Testing in Glaucoma	174
<i>Reema Raval, Parul Ichhpujani</i>	

Section III. Glaucoma: The Clinical Entities

14. Childhood Glaucomas	181
<i>AK Khurana, Parul Ichhpujani</i>	
15. Primary Angle-Closure Disease	198
<i>AK Khurana, Aruj K Khurana, Bhawna P Khurana</i>	
16. Primary Open-Angle Glaucoma and Related Conditions	212
<i>AK Khurana, Aruj K Khurana, Bhawna P Khurana</i>	
• Primary open-angle glaucoma	
• Ocular hypertension	
• Normal tension glaucoma	
17. Secondary Glaucomas	236
<i>AK Khurana, Aruj K Khurana, Bhawna P Khurana</i>	
• Lens-induced (phacogenic) glaucomas	
• Glaucomas due to uveitis	
• Pigmentary glaucoma	
• Neovascular glaucoma	
• Glaucoma associated with intraocular tumours	
• Pseudoexfoliative glaucoma	
• Steroid-induced glaucoma	
• Traumatic Glaucoma	
• Glaucoma secondary to ocular surgery	
• Glaucoma associated with intraocular haemorrhages	
• Glaucoma associated with disorders of the corneal endothelium	
• Glaucoma associated with elevated episcleral venous pressure	
• Glaucoma associated with disorders of the retina, vitreous and choroid	

Section IV. Glaucoma: Management

18. Medical Management of Glaucoma	287
<i>Tanuj Dada, Parul Ichhpujani</i>	
19. Lasers in Glaucoma	306
<i>Parul Ichhpujani, Sushma Tejawani</i>	
20. Surgical Management of Glaucoma	320
<i>AK Khurana, Ankita Phougat, Parul Ichhpujani</i>	
<i>Index</i>	337