

# Contents

## Section I

### **Classification**

- 1 Classification of the glaucomas, 3

## Section II

### **Gonioscopy**

- 2 Methods of gonioscopy, 11
  - 3 Gonioscopic and microscopic anatomy of the angle of the anterior chamber of the eye, 21
  - 4 Clinical interpretation of gonioscopic findings, 42
- References to Section II, 54

## Section III

### **Tonometry and tonography**

- 5 Intraocular pressure, 59
  - 6 Outflow facility, 68
  - 7 Formation of aqueous humor, 84
  - 8 Clinical applications, 107
- References to Section III, 119

## Section IV

### **Ophthalmoscopy and perimetry**

- 9 Optic discs, 123
  - 10 Peripheral and central fields, 141
  - 11 Clinical interpretation of disc and field changes, 167
- References to Section IV, 181

## Section V

***Diagnosis and therapy***

- 12 Angle-closure glaucoma with pupillary block, 187
- 13 Angle-closure glaucoma without pupillary block, 216
- 14 Primary open-angle glaucoma, 231
- 15 Special considerations of open-angle glaucoma, 258
- 16 Secondary open-angle glaucoma, 276
- 17 Combined-mechanism glaucoma, 314
- 18 Congenital glaucoma, 317

References to Section V, 363

## Section VI

***Medical techniques***

- 19 Cholinergic agents, 373
- 20 Carbonic anhydrase inhibitors, 384
- 21 Adrenergic agents, 393
- 22 Hyperosmotic agents, 408
- 23 Other medications, 412

References to Section VI, 415

## Section VII

***Surgical techniques***

- 24 General care of the surgical patient, 419
- 25 Surgical anatomy, 426
- 26 Procedures to break pupillary and ciliary block, 431
- 27 Filtering procedures, 448
- 28 Other surgical procedures, 469
- 29 Surgery for primary congenital glaucoma, 488
- 30 Reoperation, 503

References to Section VII, 515

## Section VIII

**Appendix**

- 31 Tables for tonography and tonometry, 519
- 32 Examples of tonograms, 536
- 33 Gonioscopic examples, 557

**Color plates**

- 1 Gonioscopic classification of the angle, 22
- 2 Orbital optic nerve, 128
- 3 Effect of pressure on blood supply to disc, 128
- 4 Fundus photographs: cupping of the optic disc, 129
- 5 Blood supply to limbal area of eye, 426
- 6 Trabeculectomy procedure: anatomic illustration, 452
- 7 Trabeculotomy procedure: approach to canal; probe position and method of rupturing trabecular meshwork, 474
- 8 Goniotomy incision, 494