

Contents

- 1** The challenge of when to treat in glaucoma, 1
Harry A. Quigley
- 2** Problems and prognosis of the developmental glaucomas, 10
Robert N. Shaffer
- 3** New concepts in angle-closure glaucoma, 15
David G. Campbell and Angela Vela
- 4** The glaucomas and extracapsular cataract surgery with posterior chamber lens implantation, 27
Richard J. Simmons, James A. Savage, John V. Thomas, and C. Davis Belcher III
- 5** Current applications of the dye laser, 55
Francis A. L'Esperance, Jr.
- 6** Ophthalmic laser surgery: principles, technology, and technique, 81
Martin A. Mainster
- 7** Pigmentary glaucoma, 102
David G. Campbell and John W. Boys-Smith
- 8** The pathogenesis of optic nerve damage in glaucoma, 111
Harry A. Quigley
- 9** Nerve fiber loss and disparity of disc and field changes in glaucoma, 129
Robert N. Shaffer
- 10** Complications of laser trabeculoplasty, 134
James B. Wise

- 11** Laser treatment of macular disease: patient and laser selection, 140
Robert C. Watzke
- 12** Transscleral laser cyclocoagulation, 148
Hugh Beckman
- 13** Usual and unusual uses of the laser in glaucoma, 154
Richard J. Simmons, James A. Savage, C. Davis Belcher III, and John V. Thomas
- 14** Laser iridotomY, 177
Hugh Beckman
- 15** New laser systems and their potential clinical usefulness, 182
Francis A. L'Esperance, Jr.
- 16** Technical considerations in laser trabeculoplasty, 210
James B. Wise
- 17** Laser treatment of macular disease: procedure and follow-up, 215
Robert C. Watzke
- 18** Unilateral shallow anterior chambers and glaucoma, 219
Robert N. Shaffer
- 19** CO₂ laser, 226
Hugh Beckman
- 20** Current status of ophthalmic photovaporization therapy, 231
Francis A. L'Esperance, Jr.
- 21** Laser treatment of macular disease: recurrence of subretinal neovascular membranes after treatment, 256
Robert C. Watzke
- 22** The future of glaucoma filtering operations, 263
Harry A. Quigley
- 23** Special features and modifications of laser trabeculoplasty: where are we today? 268
Richard J. Simmons, John V. Thomas, James A. Savage, and C. Davis Belcher III

- 24** Chronic open-angle glaucoma: new findings and possible new treatments, 281
David G. Campbell, John W. Boys-Smith, Wendell D. Woods, Nancy Tanchel, John M. Ruderman, Angela Vela, and Donald G. Aiken
- 25** Laser trabeculoplasty before and after aphakia and pseudophakia, 286
James B. Wise

Round table discussions

Problem cases in angle closure, 293

David G. Campbell

Glaucoma and cataract, 298

Richard J. Simmons

Problem cases, 306

Robert N. Shaffer

Medical therapy of glaucoma, 315

Harry A. Quigley

Applications of the pulsed neodymium:YAG laser, 325

Francis A. L'Esperance, Jr.