Contents

PART ONE Laser technology and clinical applications

- 1 Clinical history of ophthalmic lasers, 3
- 2 Laser sources and ocular effects, 8 Arthur Vassiliadis, Ph.D.
- 3 Current ophthalmic laser instrumentation, 28
- 4 Technical considerations for ocular photocoagulation, 85
- 5 Clinical considerations, 113
- 6 Disease response, 154

PART TWO **Photocoagulation, photovaporization, and photoradiation techniques**

ONE Peripheral chorioretinal diseases

- 7 Peripheral retinal structural abnormalities, 179
- 8 Peripheral retinal vascular abnormalities, 203
- 9 Diabetic retinopathy, 235
- 10 Peripheral chorioretinal tumors, 308

TWO Macular diseases

- 11 Classification, 354
- 12 Macular interretinal abnormalities, 357
- 13 Macular intraretinal abnormalities, 398
- 14 Miscellaneous macular diseases, 421

THREE Anterior segment photocoagulation

- 15 Iris abnormalities, 459
- 16 Glaucoma surgery, 472

FOUR Complications of ocular photocoagulation

17 Complications, 559

Additional readings, 578