

Contents

Contributing Authors	ix
Preface	xi
Acknowledgments	xiii
CHAPTER ONE	
Historical Overview of Low Vision: Classifications and Perceptions	1
Richard L. Brilliant and Marcy Graboyes	
CHAPTER TWO	
Psychosocial Implications of Visual Impairment	11
Marcy Graboyes	
CHAPTER THREE	
The Low Vision Examination	19
Sarah Deborah Appel and Richard L. Brilliant	
CHAPTER FOUR	
Specialized Testing in Low Vision	47
Roger W. Cummings, Bruce G. Muchnick, and Stephen G. Whittaker	
CHAPTER FIVE	
Scanning Laser Ophthalmoscope: A New Frontier for Low Vision Rehabilitation	71
Leonard H. Ginsburg and Michael Colucciello	
CHAPTER SIX	
Common Disorders Encountered in Low Vision	77
Jennifer Tasca and Edward A. Deglin	
CHAPTER SEVEN	
Magnification Associated with Low Vision Systems	111
Alvin Byer	
CHAPTER EIGHT	
Low Vision Distance Systems I: Spectacles and Contact Lenses	131
Lee A. Hersh, Michael R. Spinell, and Jean Astorino	
CHAPTER NINE	
Low Vision Distance Systems II: Telescopes and Telemicroscopes	147
Douglas R. Williams	

CHAPTER TEN	
Low Vision Near Systems I: Microscopes and Magnifiers	201
Tracy Matchinski, Richard L. Brilliant, and Maryellen Bednarski	
CHAPTER ELEVEN	
Low Vision Near Systems II: Electronic Magnification Systems	239
Laurel A. Tucker and Richard L. Brilliant	
CHAPTER TWELVE	
Rehabilitation of Peripheral Field Defects	251
Richard L. Brilliant and Leonard H. Ginsburg	
CHAPTER THIRTEEN	
Nonoptical and Accessory Devices	269
Douglas R. Williams	
CHAPTER FOURTEEN	
Computer Assistive Technology for the Low Vision Patient	291
Glenda V. Such and Stephen G. Whittaker	
CHAPTER FIFTEEN	
Driving with Low Vision	303
Richard L. Brilliant, Sarah Deborah Appel, and Bill G. Chapman	
CHAPTER SIXTEEN	
Low Vision Special Populations I: The Multiply Impaired Patient	313
Elise B. Ciner, Sarah Deborah Appel, and Marcy Graboyes	
CHAPTER SEVENTEEN	
Low Vision Special Populations II: The Stroke Patient	335
John S. Ray and Michele A. Maahs	
CHAPTER EIGHTEEN	
Practice Management	351
Kathleen Fraser Freeman, Glenn S. Corbin, and Charles Hollander	
CHAPTER NINETEEN	
The Vision-Related Rehabilitation Network	367
Laura A. Edwards, Maureen A. Duffy, and John S. Ray	
CHAPTER TWENTY	
Case Studies	381
Richard L. Brilliant	
Answers to Questions	395
Index	397