Contents

1. **Low Vision** 1
   - Clinical Characteristics of Low Vision *3*
   - Psychology of Low Vision Patients *6*
   - Principles of Low Vision Practice *9*

2. **Low Vision Examination** 13
   - Visual Behaviour *14*

3. **History Taking** 18
   - Goal Setting *21*

4. **Visual Acuity Test** 23
   - Factors Affecting Visual Acuity Test *24*
   - Measuring Distance Visual Acuity *26*
   - Near Vision Acuity Test *32*
   - Problems with Projection Chart *35*
   - Recording Visual Acuity *35*
   - Predicting Near Vision Acuity *36*
   - Predicting Reading Add *36*

5. **Low Vision Refraction** 39
   - Objective of Low Vision Examination *40*
   - Differentiating Factors *41*
   - Refraction Procedure *43*
   - Application of Different Tools in Low Vision Refraction *49*
   - Color Vision Test *51*

6. **Patient Counseling** 54
   - Traits of an Effective Counselor *56*
   - Components of Effective Low Vision Counseling *62*

7. Visual Field Examination 66

- Objective of Visual Field Test *66*
- Types of Visual Field Defects *67*
- Tests for Visual Field Defects for Low Vision Patients *68*

8. Contrast Sensitivity and Glare Test 79

- Contrast Sensitivity *79*
- Need for Contrast Sensitive Test in Low Vision *81*
- Methods for Contrast Sensitivity Assessment *81*
- Tests Charts for Contrast Sensitivity Test *82*
- Glare Test *84*

9. Common Causes of Low Vision 87

- Achromatopsia *87*
- Age-Related Macular Degeneration *88*
- Diabetic Retinopathy *90*
- Toxoplasmosis *91*
- Albinism *91*
- Retinitis Pigmentosa *92*
- Histoplasmosis *94*
- Stargardt Diseases *95*
- Aniridia *96*
- Glaucoma *96*
- Nystagmus *97*
- Optic Atrophy *98*
- Coloboma *99*
- Cataract *100*
- Retinal Detachment *101*
- Keratoconus *102*
- Hemianopia *103*

10. Magnifications 107

- Relative Size Magnification *107*
- Relative-distance Magnification *108*

- Angular Magnification *110*
- Projection Magnification *111*
- Power of Magnification *111*
- Predicting Magnification Required *112*

11. Illumination **115**

- Sources of Illumination *117*
- Ways to Help Patient with Illumination Control *118*

12. Low Vision Aids **121**

- Optical Aids *122*
- Nonoptical Aids *133*
- Spectacle Lenses as Low Vision Aids *139*
- Visual Field Expanding Aids *141*
- Contact Lens as Low Vision Aids *144*
- Advanced Low Vision Aids *146*
- Computer-Assisted Devices *150*
- Assessment for Computer-Assistive Devices *155*

13. Prescribing Low Vision Aids **160**

- Prescribing Near Viewing Aids *161*
- Prescribing Distance Viewing Aids *165*
- Prescribing for Visual Field Defects *169*

14. Patient's Training **174**

- Training for Distance Viewing Aids *174*
- Training for Near Viewing Aids *177*

15. Orientation and Mobility Training **183**

- Functional Orientation and Mobility Evaluation *184*
- Mobility Aids and Technique *185*

16. Low Vision Practice Management **187**

- Setting Up the Low Vision Clinic *190*
- Setting Up the Fees Structure *190*

- Referrals *191*
- Letter Writing *192*
- Practice Model *193*
- Patient Recall *194*

Bibliography *195*

Index *197*