

Contents

1. Accommodation	1
• How to Test Accommodation <i>3</i>	
• Accommodation and Convergence <i>5</i>	
• Excessive Accommodation Amplitude <i>6</i>	
• Accommodation Spasm <i>6</i>	
• Subnormal Accommodation <i>9</i>	
• Refractive Errors and Accommodation <i>10</i>	
• Pearls <i>12</i>	
2. Cycloplegia	13
• Contraindications <i>15</i>	
• Some Special Situations <i>15</i>	
• Qualities of a Cycloplegic Drug <i>16</i>	
• Cycloplegia and Glaucoma <i>20</i>	
• Clinical Pearls <i>21</i>	
3. Hyperopia	23
• Etiopathogenesis <i>24</i>	
• Children <i>25</i>	
• Presbyopia <i>30</i>	
• Intermediate Vision <i>31</i>	
4. Myopia	33
• Causes and Progression of Myopia <i>34</i>	
• Classification <i>35</i>	
• Management <i>36</i>	
• Quasi-Myopia <i>40</i>	
• Unilateral Myopia <i>41</i>	
• Pseudomyopia <i>42</i>	
• Night Myopia <i>45</i>	
• Presbyopia and Myopia <i>46</i>	
• Pathological Myopia <i>47</i>	
5. Astigmatism	49
• Prescriptions <i>49</i>	
• Ciliary Overtures <i>54</i>	
• Bifocals in Astigmatism <i>55</i>	
• Irregular Astigmatism <i>57</i>	

6. Presbyopia	60
• How to Determine near Correction? 62	
• Bifocals in Children 63	
• Near Correction in Adults 64	
• Bifocals in Presbyopia 65	
• Bifocals for Reading in Bed 68	
• Presbyopia and Contact Lenses 68	
• Presbyopia in Myope 69	
7. Anisometropia and Antimetropia	74
• Symptomatology of Anisometropia 75	
• Aniseikonia 76	
• Antimetropia 78	
• Anisophoria 81	
• Correction in Vertical Gaze 82	
• Anisometropia in Children 85	
8. Aphakia	92
• Monocular Aphakia 92	
• The Bilateral Aphake 93	
• Spectacle Management in Aphakia 94	
• Refracting an Aphake 96	
9. Pseudophakia	98
• Monocular Pseudophakia 98	
• Bilateral Pseudophakia 99	
• Unusual Cases 100	
• Pseudophakia in Children 102	
10. Medical Problems and Refractive Error	104
• Effect of Change in Size or Shape of Eye 105	
• Glaucoma 105	
• Changes in Cornea 105	
• Crystalline Lens 106	
• Ocular Media and Lens 106	
• Changes in Accommodation 106	
• Ocular Asthenopia as a Part of Illness 107	
11. The Legacy of Spectacles	109
• History 109	
• Lenses 110	
• Modern Lenses 111	
• Plastic Lenses 112	
• Polycarbonate 113	

12. Types and Quality of Lenses	114
• Refractive Index 114	
• Density 115	
• Abbe Number 115	
• UV Cut-off 116	
• Curve Variation Factor 116	
• Lens Materials 117	
• Summary 119	
• Absorptive Lenses 120	
• Progressive Power Lenses 126	
13. Prescription of Spectacles	129
• Weight, Thickness and Warpage 130	
• Decentractions 130	
• Pantoscopic Tilt of Frames 132	
• Spectacle Fitting in Children 133	
• Frames of Spectacles 134	
14. Psychodynamics of Spectacles	138
• Ocular Neurosis 140	
• The Doctor-Patient Rapport 141	
15. The Visually Handicapped	143
• Reasoning for Success Management 144	
• Examination and Refraction 146	
• Determining the Best Aid 146	
• Optical Aids 147	
<i>Index</i>	<i>151</i>