Contents

Section I: Epidemiology and Economic Implications of Dry Eye

1. **Epidemiologic Studies of Dry Eye 3**
   Mark B Abelson, Sarah Rosner, USA
2. **Prevalence, Utilization and Economic Implications of Dry Eye 10**
   Michael D Dalzell, USA
3. **Pharmacoeconomics of Dry Eye 19**
   Jan D Hirsch, USA

Section II: Pathophysiology of Dry Eye and Ocular Surface Disorders

4. **Pathophysiology of the Ocular Surface and Tear Film 33**
   Brighu N Swamy, Suresh K Pandey, Australia

Section III: Current Concepts in Diagnosis and Management of Dry Eye Disease

5. **Assessment and Diagnosis of Dry Eye Disease 47**
   George W Ousler III, Mark B Abelson, USA
6. **Tear Lipid Layer, Tear Evaporation and Tear Interferometry 55**
   Eiki Goto, Murat Dogru, Japan
7. **Classification, Pathogenesis and Diagnosis of Dry Eye 72**
   Eric D Donnenfeld, Henry D Perry, Renée Solomon, USA
8. **Clinical Diagnosis and Management of Dry Eye 78**
   Julie M Albietz, Australia

Section IV: Dry Eye in Association with Ophthalmic Surgery

9. **Etiology, Prevention and Management of Dry Eye Following Laser LASIK 115**
   Renée Solomon, Eric D Donnenfeld, Henry D Perry, USA
10. **Cataract Surgery in Dry Eye Disease 127**
    Suresh K Pandey, Brighu N Swamy, Randall J Olson, E John Milverton, Anthony J Maloof, Australia
11. **Dry Eye, Meibomian Gland Dysfunction and Oculoplastic Surgery 132**
    Mark R Levine, Amarpreet Singh, USA

Section V: Dry Eye in Special Cases

12. Dry Eye Disease and Contact Lenses Wearers 147
Stephen C Pflugfelder, USA
13. Dry Eye Disease during Pregnancy and Menopause and Its Management 152
John D Sheppard, USA

Section VI: Therapy for Dry Eye Disease

14. Guidelines for the Treatment of Dry Eye Disease 163
John D Sheppard, USA
15. Medications for Dry Eye Syndrome 176
Henry D Perry, Eric D Donnenfeld, USA
16. Topical Cyclosporine 0.05% (Restasis®) and the Systane® for Dry-Eye Therapy 189
Mark B Abelson, Jason Casavant, USA
17. Hormone Therapy for Dry Eye 195
David A Sullivan, Debra A Schaumberg, USA

Section VII: Ocular Surface Disorders

18. Ocular Surface Disease: Current Concepts and Management 205
Sabrina Shah-Desai, India
19. Ocular Surface Stem Cells and Disease: Current Concepts and Clinical Applications 231
Leonard Pek-Kiang Ang, Donald T Tan, Singapore
20. Application of the Amniotic Membrane in Ocular Surface Disorders 241
Oscar Gris, José L Güell, Charlotte Wolley-Dod, Spain
21. Adnexal Surgery for Ocular Surface Disease 254
Maria Borrelli, Italy, Gerd Geerling, Germany

Section VIII: Miscellaneous Issues

22. Computer Vision Syndrome 303
Suresh K Pandey, Brighu N Swamy, Australia
23. Punctal Plugs in the Management of Dry Eyes 312
Stephanie A Baxter, Peter R Laibson, USA
24. Issues in the Use of Preservative-Free Topicals 336
Henry D Perry, Eric D Donnenfeld, USA

Section IX: Appendix

The Physician's Desk Reference for Medicinations for Dry Eye Syndrome 344

Index 347