Contents

1. **Pterygium: An Overview** *1*
   Ashok Garg (India)
2. **Pterygium: Descriptive Nomenclature of the Past** *2*
   Juan Murube (Spain)
3. **Etiology, Epidemiology, Pathophysiology and Classification of Pterygium** *7*
   Belquiz A Nassaralla (Brazil)
4. **Pathogenesis of Pterygium— Molecular, Genetic and Immunologic Considerations** *12*
   Mayur Moreker, Sunil Moreker (India), Sneha Kataria (USA), Shilpa Moreker (India)
5. **Clinical Signs and Symptoms of Pterygium** *16*
   Ashok Garg (India)
6. **Pterygium: Differential Diagnosis** *19*
   Belquiz A Nassaralla, João J Nassaralla (Brazil)
7. **Current Concepts in Treatment of Pterygium— An Evidence Based Review** *23*
   Sunil Moreker (India), Sneha Kataria(USA), Mayur Moreker (India)
8. **Role of Lidocaine Gel (2%) in Pterygium Surgery** *30*
   Essam EL Toukhy, Rania Ahmed (Egypt)
9. **Free Conjunctival Autograft for Primary and Recurrent Pterygia** *33*
   Arturo Perez-Arteaga, Guillermo Lieja Salazar, Vianey Perez(Mexico)
10. **Fibrin Sealant and Conjunctival Autograft in Pterygium** *43*
    Sunil Moreker (India), Sneha Kataria (USA), Mayur Moreker (India)
11. **Mitomycin C in the Management of Pterygium Surgery** *45*
    Sunil Moreker (India), Sneha Kataria (USA), Mayur Moreker (India)
12. **Management of Recurrent Pterygia** *48*
    Belquiz A Nassaralla, João J Nassaralla (Brazil)
13. **Pterygium Surgery: An Update** *53*
    Belquiz A Nassaralla, João J Nassaralla (Brazil)
14. **Medical Management of Pterygium** *58*
    Essam EL Toukhy, Rania Ahmed (Egypt)
15. **Beta Therapy in the Treatment of the Surfocular Pterygium** *66*
    Juan Murube (Spain)
16. **Pterygium: Evolution of the Medical and Surgical Treatments** *76*
    Juan Murube (Spain)
17. **Indocyanine Green Angiography in Pterygium** *85*
    Sunil Moreker (India), Sneha Kataria (USA), Mayur Moreker (India)

18. Optical Considerations of Pterygium 88
Sneha Kataria (USA), Sunil Moreker, Mayur Moreker (India)

19. Application of the Amniotic Membrane in Ocular Surface Pathology 92
Oscar Gris, José L Guell, Charlotte Wolley Dod (Spain)

20. DALK in the Management of Recurrent Pterygium and Complications of Pterygium Surgery 99
Ashok Sharma (India)

21. Phototherapeutic Keratectomy (PTK) 102
Jes Mortensen (Sweden)

22. Stem Cell Surgery in Ophthalmology 112
Amar Agarwal, Ashok Garg (India)

23. Cultured Limbal Stem Cell Transplantation 119
Hijab Mehta, Svetlana Toshniwal, S Natarajan (India)

24. Recurrent Pterygium—An Update 124
Essam EL Toukhy, Rania Ahmad (Egypt)

25. Pterygium and Pinguecula Surgery: Next Day Cosmetic Outcomes (The Future of Ocular Surface Surgery) 130
Arun C Gulani (USA)

Index 143