Contents

SECTION 1: Phacodynamics and Preliminary Considerations in Phaco Chop

1. **Phaco Chop in Transition: An Introduction** **3**
   Ashok Garg (India)
2. **Phaco Chop for the Beginners** **5**
   Dewi Trini (Indonesia), Tarak Pujara (Australia)
3. **Biaxial Prechop Techniques : Avoiding the Use of Choppers and Prechoppers** **14**
   Arturo Perez-Arteaga (Mexico)
4. **Phacodyamics for Chopping** **24**
   Jerome Bovet (Switzerland)
5. **Setting Your Phacomachine for Chopping** **31**
   Jerome Bovet (Switzerland)
6. **Optimizing Machine Parameters for Phaco Chop—Fluidics** **34**
   David F Chang (USA)
7. **Optimizing Machine Parameters for Phaco Chop—Ultrasound** **41**
   David F Chang (USA)
8. **Update on Irrigating Choppers** **48**
   Peter J de Lint (Netherland)

SECTION 2: Various Phaco Chop Techniques

9. **Prechopping in MICS** **57**
   Anna Walewska–Szafran, Jorge Alio (Spain)
10. **The Strategies to Use Horizontal and Vertical Phaco Chop** **62**
    Tsung-Jen Wang, I-Jong Wang (Taiwan)
11. **Bimanual Vertical Chop Technique** **65**
    Mark Packer, I Howard Fine, Richard S Hoffman (USA)
12. **Phaco Chop for CoMICS (Coaxial Microincision Cataract Surgery)** **69**
    Jerome Bovet (Switzerland)
13. **Phaco Chop for BiMICS (Bimanual Microincision Cataract Surgery)** **74**
    Jerome Bovet, Paul Alexandre Rabineau (Switzerland)
14. **Newer Chopping Techniques in 0.7mm Bimanual Microphaco** **80**
    Keiki R Mehta, Cyres K Mehta (India)

15. **The Scythe Chopper Technique in Phaco : It's Simply Marvelous 88**
Keiki R Mehta, Cyres K Mehta (India)

16. **Chopping Techniques in Truly Endocapsular Microincision Cataract Surgery (TECMICS) 91**
Armando Capote, Eneida de la C Perez, Marcelino Rio (Cuba)

17. **Separate Irrigation and Coaxial Phaco Aspiration for Cleaning the Residual Cortex 96**
Frederic Hehn (France)

18. **Managing Suprahard Cataracts with the Anteroposterior Chop — A New Technique 100**
Cyres K Mehta, Keiki R Mehta (India)

19. **Vertical Phaco Chop: Tips and Tricks 104**
CS Dhull, Sumit Sachdeva (India)

20. **Quick Chop Express for Suprahard Cataracts 108**
Mohan Rajan, Sujatha Mohan,Priye Suman Rastogi (India)

21. **Chopping in Hard Cataracts: Burst Phaco 113**
GL Arun Kumar, S Sivagnanam (India)

22. **Vejarano's Safe Phaco Chop 119**
L Felipe Vejarano, Alberto Vejarano, Alejandro Tello (Colombia)

23. **Microcoaxial Phacoemulsification with Torsional Ultrasound 128**
Gordon K O Chau (China)

24. **Dynamics of Nucleus Emulsification 131**
AK Grover, Shaloo Bageja (India)

25. **Locomotive Cored Technique for Rapid Fast Safe Phacoemulsification 141**
Keiki R. Mehta, Cyres K Mehta (India)

26. **Advanced Nucleotomy Techniques 146**
Tanuj Dada, Vijay K Dada, Harinder S Sethi, Munish Dhawan (India)

27. **No Anesthesia Cataract Surgery with Karate Chop Technique 165**
Athiya Agarwal, Sunita Agarwal, Amar Agarwal, Ashok Garg (India)

28. **Phaco Chopping for All Cataract Conditions 175**
Rohit Omprakash (India)

SECTION 3: Phaco Chop in Complicated Cases and Complications Management

29. **Small Pupil with Phaco Chop with Malyugin Ring 185**
Boris Malyugin (Russia)

30. **Managing Complications with Bimanual Microincision Cataract Surgery 193**
Mark Packer, I Howard Fine, Richard S Hoffman (USA)

31. **Pitfalls with the Phaco Chop Technique 196**
Claes Feinbaum (Sweden)

32. **Bag-in-the-Lens IOL Implantation and Pseudophakic Retinal Detachment 213**
MJ Tassignon, J Van Looveren (Belgium)

33. **Chandelier Illumination and Bimanual Vitrectomy Used to Remove a Dislocated IOL 216**
Amar Agarwal, Soosan Jacob, Athiya Agarwal, Sunita Agarwal, Ashok Garg (India)

SECTION 4: Recent Advances in Phaco Chop Techniques

34. Advanced Phaco Techniques in Challenging Cataract Cases 221
Bojan Pajic, Brigitte Pajic – Eggspuehler (Switzerland)

35. Bimanual Sleeveless Phaco Chop Using 3-D High Definition Heads up Visualization 230
Robert J Weinstock, Stephen M Weinstock (USA)

36. WhiteStar Signature™ Phaco System: A New Experience 236
Frank Joseph Goes (Belgium)

37. 1.8 mm C-MICS Phaco Chop with Stellaris 245
Boris Malyugin (Russia)

38. New Technologies in Bimanual Microphacoemulsification 253
GM Cavallini, C Masini, L Campi, A Pupino, S Pelloni (Italy)

39. Microcoaxial Cataract Surgery – State of the Art 260
Cyres K Mehta, Keiki R Mehta (India)

40. Update on Phaco Chop Techniques 263
Kumar J. Doctor, Nita Shanbhag, Sumita Karandikar, Pooja Deshmukkh (India)

41. Straight Phaco Chop Techniques 269
Yi Lu (China)

42. Refractive Lensectomy : A New Concept Arising at the Horizon 276
Roberto Pinelli (Italy)

43. Advances in Irrigating Choppers for Bimanual Phacoemulsification 279
Alessandro Franchini, Iacopo Franchini (Italy)

Index 285