

Contents

List of Contributors ix
About the Editors xiii
Foreword xv
Preface to the first edition xvii
Preface to the second edition xix

Section 1 Mild Forms of Ovarian Stimulation

1. **Oral Agents for Ovarian Stimulation** 1
Mohamed F. Mitwally and Robert F. Casper

2. **Ovulation Induction for Anovulatory Patients** 15
Evert J. P. van Santbrink and Bart C. J. M. Fauser

3. **Ovarian Hyperstimulation in Combination with Intrauterine Insemination** 29
Ben J. Cohlen and Astrid E. P. Cantineau

4. **Mild Approaches in Ovarian Stimulation** 36
Adrija Kumar Datta, Stuart Campbell, and Geeta Nargund

5. **The Case against Mild Stimulation Protocols** 47
Carlotta Zacà, Francesca Pennetta, and Andrea Borini

Section 2 Ovarian Hyperstimulation for IVF

6. **GnRH Agonists for Ovarian Hyperstimulation** 55
Lina El-Taha, Botros Rizk, Jad Farid Assaf, and Johnny Awwad

7. **Role of GnRH Antagonist in Assisted Reproduction** 65
Mohamed Aboulghar

8. **Gonadotropins in Ovarian Stimulation** 79
Madelon van Wely and Monique Mochtar

9. **Egg Donation: Implications for Counseling Donor and Recipient, Donor Preparation, and Recipient Preparation** 85
Ernesto Bosch and Pilar Alama

10. **Progestin-Primed Ovarian Stimulation** 93
Xuefeng Lu and Yanping Kuang

11. **Ovarian Stimulation in Poor Responders** 101
Qiuju Chen and Yanping Kuang

Section 3 Difficulties and Complications of Ovarian Stimulation and Implantation

12. **Ovarian Stimulation in Difficult IVF Cases** 109
Amina Oumeziane and Samira Barbara

13. **Polycystic Ovary Syndrome: Ovulation Induction Strategies** 119
Lina El-Taha, Botros Rizk, William Ledger, Raja Sayegh, and Johnny Awwad

14. **Polycystic Ovary Syndrome: Controlled Ovarian Stimulation** 132
Lina El-Taha, Botros Rizk, William Ledger, Raja Sayegh, and Johnny Awwad

Contents

- 15. **Prevention of Ovarian Hyperstimulation Syndrome** 141
Mohamed Youssef, Abdel-Maguid Ramzy, and Botros Rizk
- 16. **Treatment of Ovarian Hyperstimulation Syndrome** 158
Mohamed Youssef, Abdel-Maguid Ramzy, and Botros Rizk
- 17. **How to Individualize Ovarian Stimulation Protocols to Avoid Difficulties and Complications** 166
Suleiman Ghunaim, Raja Sayegh, and Johnny Awwad
- 18. **Endometrial Receptivity** 173
Eva Gómez, Jose Miravet-Valenciano, Diana Valbuena, and Carlos Simón
- 19. **Folliculogenesis and Implantation Failure** 182
Antonis Makrigiannakis and Panagiotis Drakopoulos

Section 4 Non-conventional Forms Used during Ovarian Stimulation

- 20. **Adjuncts for Ovarian Stimulation** 189
Alexander M. Quaas and David R. Meldrum
- 21. **Luteinizing Hormone Supplementation during Ovarian Stimulation** 199
Ioannis E. Messinis, Christina I. Messini, George Anifandis, and Alexandros Daponte
- 22. **Ovulation Induction for Hypogonadotropic Hypogonadism** 208
Lina El-Taha, Botros Rizk, Chantal Farra, and Johnny Awwad

Section 5 Alternatives to Ovarian Hyperstimulation and Delayed Transfer

- 23. **Hyperprolactinemia** 223
Botros Rizk, Natalie L. Shammass, Shima AlBakhit, Ahmet Helvacioğlu, and Shannon Gilmore
- 24. **Ovarian Cautery for Polycystic Ovary Syndrome** 245
Gabor T. Kovacs
- 25. **Elective Freeze-All Embryos Policy** 255
Mehmet Cihat Unlu and Ahmet Yigit Cakiroglu

Section 6 Procedures before, during, and after Ovarian Stimulation

- 26. **Ultrasound Monitoring for Ovulation Induction: Pitfalls and Problems** 265
Mona M. Aboulghar and Yomna Islam
- 27. **The Use of GnRH Agonists to Trigger Final Oocyte Maturation during Controlled Ovarian Stimulation** 282
Anastasia Salameh, Sara Faour, and Johnny Awwad
- 28. **The Luteal Phase Support in In Vitro Fertilization** 290
Biljana Popovic-Todorovic and Human Mousavi Fatemi
- 29. **Luteal Phase Support Other than Progesterone** 302
Dalia Khalife, Nour Assaf, and Johnny Awwad
- 30. **Ovarian Reserve as a Guide for Ovarian Stimulation** 311
Hassan N. Sallam, Ahmed F. Galal, and Nooman H. Sallam