

DEVELOPMENT OF IN VITRO MATURATION FOR HUMAN OOCYTES

Natural and Mild Approaches to Clinical Infertility Treatment

Editors

Ri-Cheng Chian, MSc., PhD, Geeta Nargund, MD, Jack YJ. Huang, MD, PhD

Preface.

An Introduction of Development of IVM of Human Immature Oocytes as a Clinical Treatment – Ri-Cheng Chian, Geeta Nargund, Jack Huang (Editors)

Part I. Ovarian Function

Chapter 1. Ovarian Endocrinology – Nao Suzuki (Japan)

Chapter 2. Follicular Development – Ri-Cheng Chian (Canada)

Chapter 3. In Vitro Follicular Culture – Evelyn E. Tefler (UK)

Chapter 4. Mechanism of Oocyte Maturation – David Albertini (USA)

Chapter 5. A New Understanding on the Regulation of Oocyte Meiotic Resumption – Qing Yuan Sun (China)

Chapter 6. Mitochondria of the Oocytes – Yoshiharu Morimoto (Japan)

Part II. Natural Cycle of IVF and Stimulation Cycle IVF

Chapter 7. Natural Cycle IVF: Summary of the Current Literature – Sabine Roesner (Germany)

Chapter 8. Standard Ovarian Stimulation Protocols with Its Outcome – Suchada Mongkolchaipak (Thailand)

Chapter 9. Who are Suitable for Natural Cycle IVF – Geeta Nargund (UK)

Chapter 10. The Changes of Hormone Profiles in Follicular Fluid between Natural Cycle IVF and Stimulated Cycle IVF – Michael von Wolff (Switzerland)

Chapter 11. Natural Cycle IVF with Spontaneous LH Surge – Daniel Bodri (Japan)

Chapter 12. Impact of Final Oocyte Maturation using GnRH Agonist Triggering – Jack Huang (USA)

Chapter 13. Ovarian Hyperstimulation Syndrome – Byun-Chul Jee (Korea)

Part III. Minimal or Mild Stimulation of IVF

Chapter 14. Minimal or Mild Ovarian Stimulation for IVF: Overview – Geeta Nargund (UK)

Chapter 15. Minimal Stimulation for IVF with Clomiphene Citrate for IVF – Frank Yelian (USA)

Chapter 16. Mild Stimulation Protocols: Combination of Clomiphene Citrate and recombinant FSH or HMG – Jiayin Liu (China)

Chapter 17. Mild Ovarian Stimulation for IVF: One Perspective from USA – Valerie Baker (USA)

- Chapter 18. Accessible Infertility Care: From Dream to Reality – Willem Ombelet (Belgium)
- Chapter 19. Cumulative Pregnancy Rates with Three Cycles of Minimal Stimulation IVF – M. J. Pelinck (Netherlands)
- Chapter 20. The Role of Natural Cycle and Minimal Stimulation IVF for Single Embryo Transfer – Karl-Gosta Nygren (Sweden)
- Chapter 21. Mild Stimulation Protocols for Onco-Fertility Patients – William Ledger (Australia)

Part IV. Development of In Vitro Maturation

- Chapter 22. IVM as Clinical Treatment: Overview – Ri-Cheng Chian (Canada)
- Chapter 23. IVM Treatment for Infertile Women with Polycystic Ovary Syndrome – Svend Lindenberg (Denmark)
- Chapter 24. Avoidance of Severe Ovarian Hyperstimulation with IVM Treatment – Bruce Rose (USA)
- Chapter 25. Immature Oocyte Retrieval for IVM Treatment – Aisaku Fukuda (Japan)
- Chapter 26. Obstetric and Congenital Outcome following IVM Treatment – Ata Baris (Turkey)
- Chapter 27. Combination of Natural Cycle IVF with IVM – Jin-Ho Lim (Korea)
- Chapter 28. Laboratory Aspects of Natural Cycle IVF/M – Heather Hur (USA)
- Chapter 29. Natural Cycle IVF/M for Fertility Preservation with Cancer Patients – Ezgi Demirtas (Canada)
- Chapter 30. Individualized Infertility Treatment – Ri-Cheng Chian, Geeta Nargund, Jack Huang (Editors)

Cover: hardback

Trim size (height and width): * 7 x 10”

Total number of book pages (approx): 300-350

Total number of Tables (approx): 50

Total number of Figures (approx): 50

Delivery Date to Editors: September 31, 2014