

# Contents

|                                                                                                                                |            |
|--------------------------------------------------------------------------------------------------------------------------------|------------|
| <i>Preface to Volume 2</i>                                                                                                     | <i>vii</i> |
| <i>Preface</i>                                                                                                                 | <i>xi</i>  |
| 1. Recent Advances in the Management of Infertility                                                                            | 1          |
| 2. Immunology of Infertility and Recurrent Miscarriage                                                                         | 24         |
| 3. Uterine Factors in Female Infertility                                                                                       | 43         |
| 4. Changing Concepts in PCOS                                                                                                   | 66         |
| 5. Pubertal Metabolic and Endocrine Changes—Their Relevance to Adolescent PCOS                                                 | 73         |
| 6. Adolescent Polycystic Ovarian Syndrome—Current Management Strategies                                                        | 77         |
| 7. Insulin Resistance in PCOS                                                                                                  | 82         |
| 8. Pathophysiology of Some Important Molecules in PCOS—Role of Myo-inositol, Vitamin D <sub>3</sub> , Insulin and Homocysteine | 97         |
| 9. Overview and Management of Anovulatory PCOS                                                                                 | 104        |
| 10. Optimizing Ovarian Stimulation for PCOS Patients                                                                           | 119        |
| 11. Genesis of Endometriosis                                                                                                   | 129        |
| 12. Management of Endometriosis Associated Infertility—Current Concept and Future Thought                                      | 136        |
| 13. Recurrent Endometriosis                                                                                                    | 150        |
| 14. Newer Trends in Medical Management of Endometriosis                                                                        | 158        |
| 15. Adenomyosis—New Vision of Old Challenge                                                                                    | 173        |
| 16. Female Genital Tuberculosis—Diagnostic Dilemma, Management and Impact on Implantation and Ovarian Function                 | 183        |

|                                                                                     |     |
|-------------------------------------------------------------------------------------|-----|
| 17. Different Stimulation Protocols Used in ART Cycles                              | 204 |
| 18. Individualization of Controlled Ovarian Stimulation                             | 222 |
| 19. Controlled Ovarian Stimulation—Does it Adversely Affect Endometrial Receptivity | 235 |
| 20. Anti-müllerian Hormone—Importance in Clinical Practice                          | 256 |
| 21. Role of Thyroid and Prolactin Hormone in Reproductive Medicine                  | 267 |
| 22. Hyperprolactinemia                                                              | 275 |
| 23. Semen Preparation in ART Practice                                               | 289 |
| <i>Index</i>                                                                        | 301 |