CD Contents

1. Laparoscopic Ovarian Drilling
2. Selective Multifetal Reduction
3. Color Doppler

Contents

1. Anovulation and Tests for Ovulation **1**
Surveen Ghumman, Ritika Kaur
- *Tests for Ovulation 4*

2. Oral Ovulogens **14**
Surveen Ghumman
- *Clomiphene 14*
- *Tamoxifen 24*
- *Letrozole 25*

3. Clomiphene Resistance—What Next? **31**
Surveen Ghumman
- *Management of Clomiphene Failure or Resistance 32*

4. Gonadotropins **50**
Surveen Ghumman
- *Follicle Stimulating Hormone 51*
- *Recombinant LH 65*
- *Human Chorionic Gonadotropin 66*

5. Role of GnRH Agonists and Antagonists in Assisted Reproductive Technology **71**
Surveen Ghumman
- *GnRH Agonist (GnRHa) 71*
- *GnRH Antagonists 80*
- *Gonadotropin-releasing Hormone 86*

6. Mild Ovarian Stimulation **92**
Surveen Ghumman
- *Role of GnRH Antagonist in Mild Stimulation 93*

- *Clomiphene, Gonadotropins and GnRH Antagonist 94*
- *Mild vs Conventional Protocols 94*

7. Premature Luteinization 106
Surveen Ghumman, Monika Gupta
- *Diagnosis 106*
- *Incidence 107*
- *Causes 107*
- *Effect on Reproductive Outcomes 108*
- *Prevention 109*

8. Polycystic Ovarian Syndrome and Insulin Sensitizers 114
Surveen Ghumman
- *Diagnosis 114*
- *Insulin Resistance 115*
- *Clinical Presentation 118*
- *Treatment 119*
- *Treatment in those who do not Desire Pregnancy 133*

9. Surgical Ovulation Induction 141
Lalita Badhwar, Surveen Ghumman
- *Mechanism of Action 142*
- *Indications 142*
- *Techniques 142*

10. Hypogonadotropic Hypogonadism and Ovulation Induction 155
Surveen Ghumman
- *Causes 155*
- *Clinical Presentation 157*
- *Diagnosis 157*
- *Treatment 158*

11. Hyperprolactinemia **170**
Surveen Ghumman, Ritika Kaur
- *Prolactin and Ovarian Function 171*
- *Incidence 171*
- *Etiology 171*
- *Clinical Features of Hyperprolactinemia 173*
- *Diagnostic Evaluation 175*
- *Treatment of Hyperprolactinemia 177*

12. Role of Androgens in Ovulation Induction **188**
Shashi Prateek, Surveen Ghumman
- *Impact of Androgens on Reproductive Outcome 189*

13. Ovarian Reserve and Fertility in Older Women **200**
Neerja Goel, Surveen Ghumman
- *Age and Fertility 201*
- *Management of Older Women with a Fertility Problem 202*
- *Treatment of Patients with Reduced Ovarian Reserve 210*

14. Ovarian Stimulation for the Poor Responder **215**
Surveen Ghumman
- *Prediction 216*
- *Treatment 216*

15. Endometrial Receptivity—A Vital Role **231**
Surveen Ghumman
- *Histological Changes 235*
- *Biochemical and Molecular Changes 235*
- *Endometrial Vascular Changes 241*
- *Role of Chronic Endometritis in Endometrial Receptivity 241*

- *Current Strategies to Assess Endometrial Receptivity 245*
- *Treatment of Poor Uterine Receptivity 249*
- *Endometrial Preparation for Frozen Embryo Transfer 253*

16. Luteal Phase Defect 260
Surveen Ghumman, Neerja Goel
- *Pathophysiologic Mechanism 260*
- *Diagnosis of Luteal Phase Inadequacy 262*
- *Treatment of Luteal Phase Defect 264*

17. Complications of Ovulation Induction 276
Surveen Ghumman
- *Ovarian Hyperstimulation Syndrome 277*
- *Management of OHSS 282*
- *Multiple Pregnancy 293*
- *Ovarian Cancer and Ovulation Induction 294*

18. Selective Multifetal Pregnancy Reduction 299
Shweta Mittal, Deepak Chawla, Abha Majumdar
- *Methods of Multifetal Pregnancy Reduction 300*

19. Ultrasonography and Color Doppler Imaging in Ovulation Induction 309
Reeti Sahani
- *Examination Technique 309*
- *Color Doppler Imaging (CDI) 312*

Index 331