Contents

1. Introduction 1
- Myths and Facts about Recurrent Pregnancy Loss *2*

2. Anatomical Causes of Recurrent Pregnancy Loss 3
- Congenital Cause *3*
- Acquired Causes *11*

3. Antiphospholipid Syndrome 23
- Pathophysiology *23*
- Etiology *24*
- Mechanism of Reproductive Failure in Antiphospholipid Syndrome *24*
- Diagnosis *25*
- Risk Factors *26*
- Types *26*
- Time of Testing *26*
- Treatment *27*
- Counseling *29*

4. Thrombophilia 32
- Hereditary/Congenital *32*
- Acquired Thrombophilia *33*
- Pathophysiology of Pregnancy Loss in Thrombophilia *33*
- Treatment *34*

5. Alloimmunity in Recurrent Pregnancy Loss 36
- Fetoplacental Allograft *36*
- Immune Response in Normal Pregnancy *37*
- Diagnostic Tests *39*
- Treatment *40*

6. Endocrine Causes 48
- Endocrine Causes of Recurrent Pregnancy Loss (8–12%) *48*
- Thyroid *48*
- Diabetes Mellitus *49*
- Luteal Phase Defect *49*
- Role of Progesterone Supplementation in Recurrent Pregnancy Loss *50*
- Progesterone Supplementation *51*
- Human Chorionic Gonadotropin Supplementation *52*
- Hyperprolactinemia and Pregnancy Loss *52*

- Polycystic Ovarian Syndrome *52*
- Age and Recurrent Pregnancy Loss *53*

7. Genetic Causes 57
- Genetic Causes of Recurrent Pregnancy Loss *57*
- Clinical Presentation *58*
- Genetic Tests *58*
- Role of Preimplantation Genetic Diagnosis *59*

8. Infections 61
- Tuberculosis *61*
- Listeriosis *61*
- TORCH *61*
- Chlamydia *62*
- Syphilis *62*
- Bacterial Vaginosis *62*
- Mycoplasma *62*
- Chronic Endometritis *62*

9. Endometriosis 64
- Effect of Endometriosis on Pregnancy *64*

10. Male Factor 66
- Male Factor in Recurrent Pregnancy Loss *67*
- Deoxyribonucleic Acid Damage and Male Infertility *67*
- Factors Responsible for Recurrent Pregnancy Loss due to Chromosomal Abnormalities *67*
- Sperm Epigenetic Factors *68*
- Seminal Fluid *68*

11. Environmental and Psychological Factors 70
- Environmental Factors *70*
- Psychological Causes *70*

12. Management Pearls in Recurrent Pregnancy Loss 72
- Anatomical Causes *72*
- Antiphospholipid Syndrome *72*
- Thrombophilia *73*
- Alloimmunity *73*
- Genetic Causes of Recurrent Pregnancy Loss *73*
- Endocrinal Causes of Recurrent Pregnancy Loss *74*
- Infective Causes of Recurrent Pregnancy Loss *74*
- Environmental Causes of Recurrent Pregnancy Loss *74*
- Endometriosis *75*
- Male Factor *75*
- Psychological Causes of Recurrent Pregnancy Loss *75*

Index 77