Contents

SECTION 1: INITIAL WORK UP

1. **Introduction** 3
   Sushma Deshmukh
2. **Preconception Counseling** 6
   Pragati Khalatkar
3. **Vaccinations in Pregnancy** 10
   Rujuta Fuke
4. **Antepartum Fetal Surveillance** 17
   Moushmi Tadas
5. **Holistic Approach in Pregnancy** 24
   Sushma Deshmukh

SECTION 2: MEDICAL DISORDERS IN PREGNANCY

6. **Anemia** 31
   - **6A. Deficiency Anemias 31**
     Veerendrakumar CM
   - **6B. Hemolytic Anemia 37**
     Jayesh Timane, Moushmi Tadas
7. **Hypertensive Disorders in Pregnancy** 44
   - **7A. HDP-Gestosis 44**
     Girija Wagh
   - **7B. Eclampsia 49**
     Jyoti Dawle, Rujuta Fuke, Monika Singh
   - **7C. Prediction of Preeclampsia 55**
     Shuchita Mundle, Anita Yadav
8. **Heart Disease in Pregnancy** 63
   - **8A. Cardiac Disease in Pregnancy 63**
     Swati Shiradkar, Laxmi Rachkonda
   - **8B. Peripartum Cardiomyopathy 72**
     Sudhir Chafle
9. **Diabetes in Pregnancy** 77
   - **9A. Gestational Diabetes 77**
     Charmila Aiyyavoo
   - **9B. Pregestational Diabetes Mellitus 80**
     Sunil Ambulkar

10. Thyroid Disorders in Pregnancy 82
Parimal Tayde

11. Respiratory Disorders in Pregnancy 86
Radha Munje, Asma Patil

12. Neurological Disorders in Pregnancy 99
Peter N Ebeigbe, Chukwuemeke Emmanuel Mofon

13. Renal Disease in Pregnancy 103

13A. Urinary Tract Infection 103
Kanchan D Sortey

13B. Pregnancy in Chronic Kidney Disease 107
Anuradha Ridhorkar, Vishal Ramteke

13C. Acute Renal Failure in Pregnancy 112
Meenal Patwekar, Dipak S Kolte

14. Acquired Coagulation Disorders in Pregnancy 119
Beatriz Gómez Delgado

15. Jaundice in Pregnancy 123
Bhakti Gurjar

SECTION 3: IMMUNOLOGICAL DISORDERS IN PREGNANCY

16. Systemic Lupus Erythematosus in Pregnancy 129
Smriti Agrawal, Vandana Gautam

17. Antiphospholipid Antibody Syndrome 136
Anjoo Agarwal, Renu Singh

18. Rh-Negative Pregnancy 142
Kavita Mandrelle Bhatti

19. Rheumatoid Arthritis in Pregnancy 147
Milind Aurangabadkar

SECTION 4: INFECTIONS IN PREGNANCY

20. Hepatitis in Pregnancy 153
Moushmi Tadas

21. Tuberculosis in Pregnancy 158
Sanjay Limbaji Suryawanshi

22. HIV in Pregnancy 166
Kshama Kedar

23. COVID in Pregnancy 172
Rujuta Fuke, Radha Munje

24. TORCH Infections in Pregnancy 178
Hemant Deshpande, Priyanka Dahiya

25. Other Infections in Pregnancy: Malaria, Syphilis, Swine Flu, and Zika Infections 185
Moushmi Tadas

SECTION 5: ANTEPARTUM HEMORRHAGES

26. Placenta Previa 197
Rajesh Gajbhiye, Rakhi Gajbhiye

27. Abruptio Placentae 201
Gorakh G Mandrupkar

28. Placenta Accreta/Percreta 204
Shashwatee Ghosh, VM Joshi

SECTION 6: OBSTETRIC COMPLICATIONS

29. Intrauterine Growth Restriction 213
Kananbala Yelikar, Ashwini Kale, Priyanka Agrawal

30. Preterm Labor/Premature Rupture of Membranes 224
Ichnandy Arief Rachman, Albertus Johan Edy

31. Multifetal Pregnancy 229
Ajit B Deshpande, Sarita Ajit Deshpande

32. Amniotic Fluid: Composition, Pathophysiology, and its Clinical Implication 241
Manjushree Waikar, Shobhana Singh

33. Post-term Pregnancy 252
Rashmi Kahar

34. Advanced Maternal Age in Pregnancy 256
Rohini Deshpande, Priyanka Deshmukh

35. Novel Technique of Cesarean Section 259
Michael Stark, Andrea Tinelli

36. Pregnancy with Prior Cesarean Delivery 262
Moushmi Tadas, Shaila Tungal

37. Cervical Incompetence 268
Parag Biniwale

SECTION 7: GYNECOLOGICAL DISORDERS IN PREGNANCY

38. Fibroid in Pregnancy 275
Jose Luis Metello, Marta Almeida

39. Ovarian Tumors in Pregnancy 280
Mykhailo V Medvediev

40. Pelvic Organ Prolapse during Pregnancy 287
Anuja Bhalerao, Snehal Naphade, Preeti Singh, Krutika Bhalerao

41. Carcinoma Cervix and Cervical Intraepithelial Neoplasia 291
Sanjay P Deshmukh, Dishitha Shetty, Ishani Deshmukh

42. Breast Lump in Pregnancy 297
Sudhir M Deshmukh, Sushant S Deshmukh, Suyash S Deshmukh

43. Anorectal Problems in Pregnancy 303
Indrajeet Deshmukh, Jyoti Dawle

SECTION 8: SOME SPECIAL SITUATIONS IN PREGNANCY

44. Pregnancy after In Vitro Fertilization 309
Kedar Padte

45. Pregnancy in Polycystic Ovary Syndrome Patients 313
Sushma Deshmukh

46. Obesity in Pregnancy 317
Suchitra N Pandit, Swati Bhargava

47. Recurrent Pregnancy Loss 323
Marina Vinciguerra, Andrea Tinelli

SECTION 9: TACKLING WITH TROUBLESOME CONDITIONS

48. Blood Transfusion in Obstetrics 335
Alpesh Gandhi

49. Medicolegal Challenges in Obstetrics 340
Alka Mukherjee

50. Management of the Fetus Affected by Maternal Disorders 345
Eva Hoffmann, Anna K Sfakianaki

SECTION 10: DEALING WITH RARE CASES

51. Rare Conditions in Pregnancy 351
Sushma Deshmukh

Index 359