Contents

SECTION – 1

Pathology, Clinical Features and Genomics

1. **Etiopathogenesis of Ovarian Tumors** 3
   Neelam Wadhwa
2. **Pathology of Ovarian Tumors—Current Concepts** 11
   Bharat Rekhi
3. **Ovarian Cancer—Clinical Features and Patterns of Spread** 22
   Partha Basu
4. **Tumor Markers in Ovarian Cancer** 26
   Alka Kriplani, Biswa Bhusan Dash, Durga Vijayasree
5. **Prognostic Factors in Ovarian Cancer** 31
   Sreejith G Nair
6. **Ovarian Cancer—Genetics and Genomics** 37
   V Sridevi, T Rajkumar

SECTION – 2

Surgical Anatomy in Relation to Ovarian Cancer Surgery

7. **Surgical Anatomy of Ovary** 47
   M Gopalan, Durga Vijayasree, K Chitrathara
8. **Thoracoabdominal Diaphragm** 52
   Gopinathan, M Gopalan
9. **The Greater Omentum** 55
   K Chitrathara
10. **Anatomy of Retroperitoneum** 58
    K Chitrathara, R Manoj Babu, Altaf Gauhar Haji
11. **Staging of Ovarian Cancer** 64
    K Chitrathara

SECTION – 3

Surgical Techniques in Ovarian Cancer: Epithelial Ovarian Cancer

12. **Cytoreductive Surgery in Ovarian Cancer** 71
    JN Kulkarni
13. **Epithelial Ovarian Cancer: The Role of Secondary Tumor Debulking** 81
    UD Bafna

14. **Role of Lymphadenectomy in Epithelial Ovarian Cancer** 84
K Chitrathara, R Manoj Babu
15. **Retroperitoneal Lymph Node Dissection in Ovarian Cancer** 88
K Chitrathara, S Suchetha, Sheikh Zahoor Ahmed
16. **Omentectomy in Ovarian Cancer** 96
K Chitrathara, P Rema
17. **Peritonectomy in Ovarian Malignancy** 101
Manash Biswas, SPS Kochar
18. **Role of Laparoscopic Surgery in the Management of Ovarian Malignancy** 109
Amita Maheshwari

SECTION – 4

Current Management of Germ Cell, Sex Cord and Other Rare Tumors

19. **Surgical Management of Germ Cell Tumors of the Ovary** 119
Elizabeth Vallikad
20. **Ovarian Sex Cord Stromal Tumors** 127
Sumita Mehta, Shalini Rajaram
21. **Borderline Ovarian Cancer** 145
PP Bapsy, V Satya Suresh Attili
22. **Peritoneal Carcinomatosis** 152
Firoz Rajan

SECTION – 5

Ovarian Cancer: Screening and Prevention

23. **Screening for Ovarian Malignancy** 161
Usha MG
24. **Ovarian Cancer Prevention** 172
Shalini Rajaram, Sumita Mehta
25. **Management of Adnexal Cystic Masses** 183
Shalini Rajaram, Rachna Agarwal

SECTION – 6

Chemotherapy in Ovarian Cancer

26. **Adjuvant Chemotherapy of Epithelial Ovarian Cancer** 201
VP Gangadharan
27. **Neoadjuvant Chemotherapy in the Management of Epithelial Ovarian Cancer (EOC)** 205
Roopa Hariprasad, Lalit Kumar
28. **Recurrent or Relapsed Ovarian Cancer** 215
D Raghunath Rao
29. **Intraperitoneal Chemotherapy for Ovarian Cancer** 223
PS Sreedharan

30. **Chemotherapy in Germ Cell Tumors of Ovary** 228
Yamini Krishnan
31. **Chemotherapy for Rare Ovarian Tumors** 233
Narayanankutty Warrier

SECTION – 7

Imaging in Ovarian Cancer: Diagnosis, Operability, Recurrence

32. **Imaging in Ovarian Malignancy** 241
Meenakshi H Thakur

SECTION – 8

Special Scenarios

33. **Pregnancy and Malignant Ovarian Tumors** 251
Usha Rani Poli
34. **Radiotherapy in Ovarian Cancer—Current Concepts** 256
Umesh Mahantshetty, Pranav Chadha, Reena Engineer, Shyam Kishore Shrivastava
35. **Pseudomyxoma Peritonei** 263
Abraham Peedicayil
36. **Palliative Surgery in Ovarian Cancer** 270
Namrata Rajneesh Kachhara, Sarita Patel, Nitika Benjamin
37. **Principles of Surgery of the Bowel** 286
S Sudhindran, G Unnikrishnan, Ramachandran N Menon

SECTION – 9

Clinical Trials

38. **Newer Agents in Ovarian Cancer** 297
K Pavithran

Appendix *303*

Index *307*