

Contents

1	Psycho-oncology: The Relationship Between Psychology, Personality and Cancer	1
	Shahriar Shahidi	
2	Psychotherapy in Cancer	13
	Adrian Furnham, Kelly Petropoulou and Shahriar Shahidi	
3	New Developments in Psycho-oncology	31
	Winfried Rief, Carola Seifart and Yvonne Nestoriuc	
4	Psychiatric and Psychosocial Aspects of Breast Cancer Diagnoses and Treatments	45
	Mohammad Kamran Derakhshan and Mohammad Hamid Karbassian	
5	Cancer Genetics at a Glance: The Comprehensive Insights	79
	Asaad Azarnezhad and Parvin Mehdipour	
6	The Relevance of Genetic Factors in Tumor Therapy and the Underlying Pharmacogenetic Principles	391
	Gesa Schwanitz, Gabriele Rittner and Lieselotte Kalz	
7	Genetic Counselling for Cancer Susceptibility	405
	Shirley V. Hodgson	
8	Cancer, Psychotherapy and the Airway	425
	Zahid Hussain Khan	
9	Female Reproductive System and Cancer	451
	Natalia Jančárková	
10	Cancers of the Endocrine System	499
	Mohammad Amin Tabatabaiefar, Abbas Moridnia and Laleh Shariati	
11	A Comprehensive Look at Oromaxillofacial and Laryngopharyngeal Cancers	531
	Samira Basir Shabestari, Iman Shirinbak and Roya Azadarmaki	

12	Gastrointestinal Cancers	589
	Mohammad Amin Tabatabaiefar and Abbas Moridnia	
13	Genetic and Cellular Complexity of Brain Tumors	627
	Fatemeh Karami and Parvin Mehdipour	
14	Genetic, Hematologic and Psychological Aspects of Leukemia	667
	Marjan Yaghmaie, Mohammad Ahmadvand, Ali-akbar Nejati Safa and Hossein Pashaiefar	
15	Cancer Stem Cell: From Conjecture to Reality	757
	Vahid Ezzatizadeh	
16	Cancer Immunotherapy: Friend or Foe of Mental Health?	789
	Amene Saghazadeh and Nima Rezaei	
17	Challenges of Endocrine Therapy in Breast Cancer	825
	Sepideh Mansouri, Azin Teymourzadeh, Leila Farahmand and Keivan Majidzadeh-A	
18	Skin Cancer: Genetics, Immunology, Treatments, and Psychological Care	851
	Soheil Tavakolpour, Maryam Daneshpazhooh and HamidReza Mahmoudi	
19	Alternative or Complementary Medicine: History and Legacy	935
	Heinz Schott	
20	Pharmacotherapy of Cancer from the Perspective of Traditional Persian Medicine	951
	Roodabeh Bahramsoltani, Mohammad Hosein Farzaei, Vahideh Oveissi and Roja Rahimi	
21	Nutrigenomics, Epigenetics and Pain in Cancer	981
	Saeed Pirouzpanah	
22	Metastatic Breast Cancer at a Glance: Scenarios of BC Brain- and BC Bone-Metastasis by Illustrations	1029
	Parvin Mehdipour	
23	New Three-Dimensional NLS-bio-feedback Approaches in Site Specific Diagnosis of Cancer	1071
	Mohammad Ebrahimi, Vera Ivanovna Nesterova and Vladimir Igorevich Nesterov	
24	Human Cancer Cell Lines: Potential to Evaluate the Therapeutic Efficacy of Anticancer Agents	1099
	Pouria Khani, Ehsan Sohrabi and Ali Zekri	

**25 Biostatistics Methods in Cancer Research: Cluster Analysis of
Gene Expression Data. 1127**
Fatemeh Bahreini and Ali Reza Soltanian

26 Horizon of Cancer Genetics and Psycho-Art. 1147
Parvin Mehdipour

Index 1169

Cancer Genetics and Psychotherapy

Mehdipour, P. (Ed.)

2017, XXXVIII, 1170 p. 124 illus., 64 illus. in color.,

Hardcover

ISBN: 978-3-319-64548-3