

Part 1. Fundamentals of Human Nutrition and Cancer Metabolism

1. Historical Evolution of the Role of Nutrition in Cancer
2. Cancer Metabolism and Nutrition
3. Precision Oncology and Precision Nutrition
4. Phytonutrients and Cancer
5. Nutrition and Immune Function
6. Personalized Nutrition and Cancer

Part 2. Nutrition and Carcinogenesis

7. Epidemiology of Nutrition, Diet, and Cancer Risk
8. Oxidant Stress and Carcinogenesis
9. Nutrition, Angiogenesis, and Cancer
10. Cholesterol and Prostate Cancer
11. The Microbiome and Cancer
12. Exercise, Energy Balance, Body Composition, and Cancer Risk
13. Nutrition, Hormones, Cancer Risk and Progression

Part 3. Nutritional Recommendations for Cancer Patients

14. Nutrition Support for Cancer Patients throughout the Continuum of Care
15. Malnutrition and Cancer Cachexia
16. Nutrition and Chemotherapy in the Epidemic of Obesity
17. Integrative Oncology and Nutrition

Part 4. Care of the Cancer Survivor

18. Susceptibility to Common Age-Related Chronic Diseases
19. Nutritional Advice and Dietary Supplements for the Cancer Survivor
20. Lifestyle Changes and Behavioral Approaches for the Cancer Survivor

Part 5. Challenges in Nutritional Oncology Research

21. Environmental Factors in Cancer Risk

22. Minority Health Disparities in Nutrition and Cancer

23. The Critical Questions in Nutrition and Cancer that Remain