

1. Record Nr.	UNINA9910827316603321
Autore	Bignold Leon P. <1947->
Titolo	Principles of tumors : a translational approach to foundations // Leon P. Bignold
Pubbl/distr/stampa	London : , : Elsevier Science, , [2015] ©2015
ISBN	0-12-801753-8
Descrizione fisica	1 online resource (469 p.)
Disciplina	616.994
Soggetti	Tumors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Principles of Tumors; Copyright Page; Contents; Preface and Acknowledgments; 1 Introduction; 1.1 Essential Aspects of the Nature, Types, and Rates of Incidence of Tumors; 1.1.1 "Tumors" Used in the Sense of "True" Tumors; 1.1.2 Classifications and Terminology of the Tumor Types; 1.1.3 Incidences Especially of Malignant Tumor Types; (a) General; (b) Influence of Ageing Populations; (c) Incidences of Tumor Types According to Kind of Parent Cell; (d) Use in Medical Practice; 1.1.4 Epidemiology of Tumors; 1.1.5 Uses of Animals in Research into the Aspects of Human Tumors 1.2 Basic Aspects of Etiopathogenesis 1.2.1 Etiological Factors; 1.2.2 Pathogenesis: DNA Damage; 1.2.3 "Cancer Genes" in Pathogenesis; (a) When the Genomic Events Occur Entirely in the Somatic Cell (i.e., Without Germ-Line Genomic Alteration); (b) Requiring Germ-Line Alteration as Well as a Somatic Alteration in the Genome; (c) Cell Signaling in Normal Growth Control; 1.3 Abnormalities in Morphology and "Molecular Pathology"; 1.3.1 Background; 1.3.2 Grading of Tumors; (a) General; (b) Grading of Carcinomas of the Lung; (c) Grading of Carcinomas of the Breast (d) Grading of Carcinomas of the Large Bowel (Colon and Rectum)(e) Grading of Carcinomas of the Prostate; 1.3.3 Staging of Cases of Tumor; (a) General; (b) Staging of Carcinoma of the Lung; (c) Staging of Carcinoma of the Breast; (d) Staging of Carcinoma of the Large Bowel (Colon and Rectum); (e) Staging of Carcinoma of the Prostate; 1.3.4

Importance of Micro-Metastases; 1.3.5 "Molecular Pathology" and Other Nonmorphological Features of Tumor Cells; 1.4 Fundamental Aspects of Clinical Features and Treatments; 1.4.1 Principles of Symptoms and Signs of Tumors; (a) Skin; (b) Respiratory Tract (c) Female Breast(d) Alimentary System; (e) Hematopoietic and Lymphoid Systems; (f) Female Genital; (g) Male Genital; (h) Nervous System; (i) Urinary System; (j) Skeletal System; (k) Other Systems: Including Endocrine and Special Senses; (l) "Progression"; (m) Miscellaneous Clinical Features of Tumors; 1.4.2 Diagnosing Suspected Cases of Tumor; 1.4.3 Surgery; 1.4.4 General Aspects of Nonsurgical Treatments; 1.4.5 Radiation Therapies; 1.4.6 Anticancer Drug Therapies; 1.4.7 Relapses; 1.4.8 Common Side Effects of Nonsurgical Anticancer Therapies 1.4.9 "Lifetime Limits" of Doses of Certain Anticancer Therapies 1.5 Prevention; References; 2 Theories and Definitions of Tumors; 2.1 Distinguishing Tumors from Other Swellings; 2.2 Early Definitions of Tumors Emphasized Uncontrolled Growth; 2.3 Theories Involving Disordered Biological Processes; 2.3.1 Degeneration; 2.3.2 Hypothetical Growth Processes: "Plasias" Including Neoplasia; 2.3.3 Deviations in Actual Biological and Nontumorous Pathological Processes; (a) Early Ideas of Embryonic Development-Related Phenomena; (b) Reduced Specialization; (c) Excessive Angiogenesis (d) Abnormalities in Inflammatory Responses

Sommario/riassunto

Principles of Tumors covers all of the fundamental aspects of tumors, including their definitions, incidences, causation, pathogenesis, treatments, and prevention. The book provides a unique approach, integrating a wide range of basic bioscience findings with clinico-pathological observations and phenomena encountered in their treatment. As tumors are studied in fairly separate, broad areas, such as basic biological sciences, pathology, oncology, and epidemiology, this book brings together these perspectives, providing an all-inclusive text that benefits all researchers, while also providi
