

Key Features:

- **Multidisciplinary approach to the topic defines the importance of a team approach to cancer and reflects actual practice**
 - **Expert and authoritative writers from around the world ensure the content is relevant to current cancer medicine and represents global perspectives to it**
 - **Accessible basic science sections which demonstrate the link between research and translation into novel therapy**
 - **Extensive clinical cases section makes the textbook come to life with real life cases managed by experts**
 - **By being both disease-oriented and comprehensive, the textbook provides information on a range of topics, including ethics, prevention, carcinogenesis and health economics**
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Περιεχόμενα:

Section 1: Hallmarks of Cancer

- 1: Douglas Hanahan and Robert A. Weinberg: The hallmarks of cancer**
- 2: Shujuan Liu and Ahmed Ashour Ahmed: Growth factors and uncontrolled proliferation**
- 3: Stefan Knapp: Cell signalling pathways**
- 4: Simon Carr and Nicholas La Thangue: Cell cycle control**
- 5: Amanda S. Coutts, Sandra Maniam, and Nicholas La Thangue: Cancer cell death**
- 6: Yull E. Arriaga and Arthur E. Frankel: Angiogenesis**
- 7: Andrew P. Mazar, Andrey Ugolkov, Jack Henkin, Richard Ahn, and Thomas V. O'Halloran: Invasion and metastases**
- 8: Sir Walter Bodmer and Jenny Wilding: Genetic instability**
- 9: E. Dikomey, K. Borgmann, M. Kriegs, W. Mansour, C. Petersen, and T. Rieckmann: DNA repair after oncological therapy**
- 10: Andreas Trumpp: Biology of cancer stem cells**
- 11: Richard D Kennedy, Manuel Salto-Tellez, D. Paul Harkin, and Patrick G Johnston: Biomarker identification and clinical validation**
- 12: Campbell SD Roxburgh and Donald C McMillan: Cancer, immunity, and inflammation**
- 13: Cameron Snell, Kevin C Gatter, Adrian L Harris, Francesco Pezzella: Cancer and metabolism**

Section 2: Etiology and Epidemiology of Cancer

- 14: Jonathan Samet: Smoking and cancer**
- 15: Chris Boshoff: Viruses**
- 16: Paula A. Oliveira: Chemical carcinogens**
- 17: Klaus Trott: Radiation**
- 18: Ellen Kampman and Franzel van Duijnhoven: Body fatness, physical activity, diet, and other lifestyle factors**

Section 3: Principles of Oncology

- 19: PG Boelens, CBM van den Broek, and CJH van de Velde: Practice points for surgical**

oncology

20: Annekatrin Singer, Stephanie E. Combs, Jürgen Debus, and Michael Baumann:

Practice points for radiation oncology

21: David Kerr, Daniel Haller, and Jaap Verweij: Principles of chemotherapy

22: David N Church, Rachel S Midgley, and David J Kerr: Delivery of multidisciplinary cancer care

23: Michael Ong and Udai Banerji: Principles of clinical pharmacology: Introduction to pharmacokinetics and pharmacodynamics

24: Dan Sargeant and Qian Shi: Design and analysis of clinical trials

25: Eric A. Singer: Medical ethics in oncology

26: Jeffrey Peppercorn: Health economic assessment of cancer therapy

Section 4: Population Health

27: Masoud Samiei: Cancer control: The role of national plans

28: Sarah Goltz and Julian Lob-Levyt: Cancer prevention: Vaccination

29: Hans-Joerg Senn, Nadir Arber, and Dirk Schrijvers: Cancer prevention: Chemoprevention

30: Andrew Evans, Simon Herrington, and Robert Steele: Population cancer screening

31: Henry T. Lynch, Carrie L. Snyder, and Jane F. Lynch (deceased): Familial cancer syndromes and genetic counselling

Section 5: Support for the cancer patient

32: David Hui and Eduardo Bruera: Supportive palliative care

33: Neil Aaronson and Peter Fayers: Quality of life

34: Rachel L. Yung and Ann H. Partridge: Cancer survivorship and rehabilitation

Section 6: Disease

35: Christine Chung, Andreas Dietz, Vincent Gregoire, Marco Guzzo, Marc Hamoir, René Leemans, Jean-Louis Lefebvre, Lisa Licitra, Adel El-Naggar, Brian O'Sullivan, Bing Tan, Vincent Vandecaveye, Vincent Vander Poorten, Jan Vermorken, and Michelle Williams: Cancer of the head and neck

36: Eric Van Cutsem, Christophe M. Deroose, Piet Dirix, Karin Haustermans, Tony Lerut, Philippe Nafteux, Hans Prenen, and Xavier Sagaert: Oesophageal cancer

37: Hideaki Bando, Takahiro Kinoshita, Yasutoshi Kuboki, Atsushi Ohtsu, and Kohei Shitara: Gastric cancer

38: Regina Beets-Tan, Bengt Glimelius, and Lars Pålman: Rectal cancer

39: John Zalberg, Stephen Fox, Alexander Heriot, Jon Knowles, Sam Ngan, Michael Michael, Kathryn Field, and Iris Nagtegaal: Colon cancer

40: J. Weitz, M.W. Büchler, Paul D Sykes, John P Neoptolemos, Eithne Costello, Christopher M Halloran, Frank Bergmann, Peter Schirmacher, Ulrich Bork, Stefan Fritz, Jens Werner, Thomas Brunner, Elizabeth Smyth, David Cunningham, Brian R. Untch, and Peter J. Allen: Pancreatic cancer

41: Graeme J Poston, Nicholas Stern, Jonathan Evans, Priya Healey, Daniel Palmer, and Mohandas K. Mallath: Hepatobiliary cancer

42: H. Richard Alexander, Jr., Dario Baratti, Terence C. Chua, Marcello Deraco, Raffit Hassan, Marzia Pennati, Federica Perrone, Paul H. Sugarbaker, Anish Thomas, Keli Turner, Tristan D. Yan and Nadia Zaffaroni: Peritoneal mesothelioma

43: Martine Piccart, Toral Gathani, Dimitrios Zardavas, Hatem A. Azim Jr., Christos Sotiriou, Giuseppe Viale, Emiel J T Rutgers, Mechthild Krause, Monica Arnedos, Suzette

Delalogue, Fabrice Andre, and Felipe Ades: Cancer of the breast

44: Richard Pötter, Shujuan Liu, Bolin Liu, Sebastien Gouy, Sigurd Lax, Eric Leblanc, Philippe Morice, Fabrice Narducci, Alexander Reinthaller, Maximilian P Schmid, Catherine Uzan, and Pauline Wimberger: Gynaecological cancers

45: John Fitzpatrick, Asif Muneer, Jean de la Rosette, and Thomas Powles: Genitourinary cancer

46: Rafal Dziadziuszko, Michael Baumann, Tetsuya Mitsudomi, Keith M. Kerr, Solange Peters, and Stefan Zimmermann: Lung cancer

47: Rebecca Bütof, Axel Denz, Gustavo Baretton, Jan Stöhlmacher-Williams, and Michael Baumann: Neoplasms of the thymus

48: Andrea S. Wolf, Assunta De Rienzo, Raphael Bueno, Lucian R. Chirieac, Joseph Corson, Elizabeth H. Baldini, David Jackman, Ritu Gill, Walter Weder, Isabelle Opitz, Ann S. Adams, and David J. Sugarbaker: Pleural mesothelioma

49: John F Thompson, Richard A Scolyer, and Richard F Kefford: Skin cancer: melanoma

50: Diona L. Damian, Richard A. Scolyer, Graham Stevens, Alexander Menzies, and John F. Thompson: Skin cancer: non-melanoma

51: Adele K. Fielding, Charles G. Mullighan, Dieter Hoelzer, Eytan M. Stein, Ghada Zakout, Martin S. Tallman, Ross Levine, Yishai Ofran, Jacob M. Rowe, and Ross L. Levine: Acute leukemia

52: Hemant Malhotra, Lalit Kumar, Pankaj Malhotra, Devendra Hiwase, and Ravi Bhatia: Chronic leukemias

53: Charlotte Pawlyn, Faith Davies, and Gareth Morgan: Myeloma

54: Frank Kroschinsky, Friedrich Stölzel, Stefano A. Pileri, Bjoern Chapuy, Rainer Ordemann, Christian Gisselbrecht, Tim Illidge, David C. Hodgson, Mary K. Gospodarowicz, Christina Schütze, and Gerald Wulf: Lymphomas

55: Alessandro Gronchi, Angelo P. Dei Tos, and Paolo G. Casali: Sarcomas of the soft tissue

56: Puneet Plaha, Allyson Parry, Pieter Pretorius, Michael Brada, Olaf Ansorge, and Claire Blessing: Cancer of the central nervous system

57: Daniel G. Ezra, Geoffrey E. Rose, Jacob Pe'er, Sarah Coupland, S. Seregard, G.P.M. Luyten, and Annette C. Moll: Cancer of the eye and orbit

58: David Kerr, Andrew Weaver, Anthony P. Weetman, Oliver Gimm, Ashley Grossman, Petra Sulentic, Bertram Wiedenmann, Ulrich-Frank Pape, John Wass, Angela Rogers, and W de Herder: Endocrine cancers

59: Nicholas Pavlidis and George Pentheroudakis: Cancer of unknown primary site

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