HASKELL

Cancer Treatment

third edition

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Preface

Both of the previous editions of Cancer Treatment were written as succinct "state of the art" books for physicians responsible for the care of patients with cancer. The essentials of etiology, epidemiology, biology, and natural history (including staging and prognosis) were provided for each tumor type, but both editions emphasized therapy. This new third edition continues in that same tradition. We have tried to provide an authoritative, up-to-date appraisal of therapy with an emphasis on the role of the internist and medical oncologist within a multidisciplinary treatment team. This evaluation of modern therapy is based on an extensive review of the literature, from which we have selected 14,425 references for citation.

The book is organized into four parts. Part I summarizes the principles and modalities of cancer treatment. This starts with an introductory chapter that serves as a brief synopsis of cancer, followed by principles of surgery, radiation therapy, chemotherapy, and immunotherapy (biological response modifiers). The basic science of oncology is reviewed in this section only to the extent that it has a direct and current impact on the treatment of cancer. The reader interested in a more comprehensive review of the basic science of oncology is referred to several contemporary sources in Chapter 1. Part II of this book considers the diagnosis and treatment of specific neoplasms. Part III considers supportive care, and Part IV reviews selected aspects of investigational therapy.

The cornerstone of progress in oncology is research. Although we have tried to provide explicit, realistic, and useful recommendations on management in this volume, I must stress that these recommendations are all subject to change. Indeed, some of our recommendations are controversial and the subject of ongoing clinical trials. Thus, whenever possible, we urge that patients participate in clinical trials as the best available therapy. Not only does such participation help advance the field, it also serves to bring the highest quality of care to the individual patient.

I would like to emphasize four additional points about this new edition:

1. The format of references in this book is unorthodox. Because of the large number of references, and our desire to limit the total size of the book, references cited in the text appear at the end of the book, just before the index, and are listed without the titles of journal articles and with only one author. Suggestions for additional reading are provided at the end of each chapter as well. These consist of highly selected major reviews, books, or especially important articles related to the chapter or, in some cases, of references appearing after the chapter was completed and in the galley-proof stage of production. In some cases these suggested readings are annotated by the author or by me (Ed.), as appropriate.

2. The changing editions of the International TNM staging system can be confusing, so the American Joint Committee on Cancer has recommended that older versions of the TNM system be identified by placing the numbers of each stage as subscripts (e.g., T_1 N_0 M_0) and that the 1988 International version be identified by placing the numbers on the same line as the letters (e.g., T1 N0 M0). We have tried wherever possible to use this convention throughout this new edition.

3. Many of the chapters include tables of response rates to various single-agent or combination-chemotherapy regimens. I want to emphasize that these response

rates should be considered only a rough guide to the approximate activity of various drugs, not an absolute indication of efficacy.

4. Every effort has been made to ensure that dosage recommendations are precise and in agreement with the standards of practice at the time of this writing. These can change, however, so we urge that you check the package information data for the manufacturer's recommended dosage and schedule to be certain that changes have not been made in the recommended dose or in the contraindications to administration. This is especially important for those drugs which are new or unfamiliar to you. On the other hand, it must be emphasized that in many serious conditions drug therapy should be individualized, and expert judgment may lead to the use of a higher dosage or a different schedule or route of administration than is included in the manufacturer's recommendations.

This new edition would not have been possible without the support of the contributing authors and numerous other individuals. I wish to thank them all collectively and to explicitly thank several groups and individuals who made particular contributions. The American Joint Committee on Cancer and J.B. Lippincott Company gave permission to reproduce herein the 1988 International TNM Staging System that was jointly developed with the International Union Against Cancer. Many of the chemical structures listed in Chapter 5 are reproduced by permission from the U.S. Pharmacopeial Convention, Incorporated. Robert Lavey, M.D., Gregory Sarna, M.D., John Glaspy, M.D., and Robert Figlin, M.D., provided useful comments. The following individuals provided invaluable contributions to this new edition: Candace M. Haskell, editorial assistance; Christine Haskell, research assistance; Otis Bradford, secretarial assistance; and Roger Ianuzzi, administrative assistance. Editorial review at W.B. Saunders Company was provided by John C. Dyson.

This edition is dedicated with thanks to the past, present, and future Hematology-Oncology Fellows in our joint UCLA-Wadsworth VAMC training program. Their enthusiasm, intelligence, curiosity, and commitment have been a great source of inspiration for me over the years. This book has served as an important focus of my teaching, so it seems only proper to thank those who have helped the most to make this effort feel worthwhile. In that spirit I close with the following quotation from Sherlock Holmes:

"Education never ends, Watson. It is a series of lessons with the greatest for the last."

The Adventure of the Red Circle Sir Arthur Conan Doyle (1859–1930)

CHARLES M. HASKELL

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PART

Principles and Modalities of Cancer Treatment

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