

Foreword

Metastatic disease to the musculoskeletal system is accompanied by severe pain, impaired mobility, and progressive disability. The quality of life of the patients in whom this complication develops often becomes much worse. Proper management will markedly improve that quality of life, decrease pain, and improve mobility. The management of this complication entails a multidisciplinary approach. Up until now there has been no single reference text that provides the broad scope of diagnosis, management, and specific disease-related discussions. This book edited by Drs. John Heiner, Timothy Kinsella, and Thomas Zdeblick is unique. The 42 chapters contain useful information for the cancer specialist, radiotherapist, and orthopedic surgeon, who often work together to manage the various clinical manifestations of bone metastases.

Of particular note are the 27 chapters that not only deal with specific cancers but also present discussions of specific axial and peripheral bone metastases. These include skull base, orbit, spinal pelvis, femurs, arm, shoulder, and soft tissue sites. The focus here is on solving problems of anatomical sites. The final chapters deal with possible complications of the therapies, such as fixation failure and wound healing following radiation.

This text will be a valuable resource for the oncologist, radiotherapist, surgeon, and internist who are challenged to make the right diagnosis and treatment choices for their patients.

Paul P. Carbone, M.D., M.A.C.P.

*Professor of Medicine Emeritus
University of Wisconsin Medical School
Madison, Wisconsin*

Preface

With the advances in cancer therapy, the survival and quality of life have markedly changed for a large number of patients with cancer. With the longer survival of these patients, late metastatic disease to the skeleton has become an increasingly common problem. It is not unusual for patients to now survive for years with metastatic disease to the bones, especially those patients with breast and prostate cancer. Keeping the patients ambulatory and independent is now the goal.

Multiple modalities are used in most patients to try to minimize bone pain and pathologic fractures. The research into metastatic skeletal disease is growing exponentially along with clinical trials of various osteoclast inhibitors to reduce pathologic fractures. Radiation therapy and surgery are coordinated to give optimal local control of disease, especially in the spine and long bones. Unfortunately, although much progress has been made in metastatic disease, we still have a long way to go. Many patients with lung cancer and gastrointestinal malignancies usually have a rapidly progressive downhill course after the advent of metastatic skeletal disease. Some of the lesions are difficult to control locally with both surgery and radiation and ultimately require amputation.

This text attempts to give the reader a broad overview of musculoskeletal metastatic disease. Authors from many of the major cancer centers across the country have contributed their knowledge, with several contributors from outside the United States. Each author brings a unique perspective that adds

to this multi-institutional approach for these patients. The chapters are organized to provide information about site-specific disease as well as information about the prognosis and treatment of specific tumors. Each lead author has assembled a multidisciplinary team to assist in writing most disease and site-specific chapters. Hopefully, oncologists, internists, radiation therapists, and orthopedic surgeons will all find the topics and discussions helpful in the daily management of these patients. As we found when assembling this book, many of the chapters have little information in the peer-reviewed literature, so it is our hope that readers will be encouraged to add to the research in the area of metastatic disease of the skeleton. This book is our initial attempt to compile a large amount of information from diverse sources to help the clinicians who care for the patient with musculoskeletal metastatic disease, and we hope the readers find the text informative and practical.

In Appreciation

We owe a tremendous amount of thanks to Andrea Schmick for all of her patience and help in organizing and collecting the chapters for this book. We would also like to thank Karen Berger and Michelle Leaman at Quality Medical Publishing for their support of this book. Their editing comments were invaluable.

John P. Heiner, M.D.
Timothy J. Kinsella, M.D.
Thomas A. Zdeblick, M.D.

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