Avulsion and Stress Injuries of the Musculoskeletal System

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183 figures and 1 table, 1989

KARGER
Library of Congress Cataloging-in-Publication Data
Avulsion and stress injuries of the musculoskeletal system
editors, Jamshid Tehranzadeh, Aldo N. Serafini, M. Joyce Pais.
Includes bibliographies and index.
1. Musculoskeletal system - Wounds and injuries.
2. Avulsion fractures. I. Tehranzadeh, Jamshid, 1947-.
II. Serafini, Aldo N. III. Pais, M. Joyce.
4. Repetition Strain Injury. WE 180 A963]
RD680.A95 1989 617.471044-dc20 DNLM/DLC
ISBN 3-8055-4917-2

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The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

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S. Karger AG, P.O. Box, CH- 4009 Basel (Switzerland)
Printed in Switzerland by Thr AG Offsetdruck, Pratteln
ISBN 3-8055-4917-2
To Shahla, Arash, Ashkan and Anna
Jamshid Tehranzadeh, MD

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Preface

With the surge of physical fitness awareness and with the booming ambition of socially motivated desires of having a good figure or getting into shape, more and more sports and recreationally related injuries are being seen. The problem often is that amateur athletes don't know when to quit. Their unprepared systems are stretched beyond normal limits and injuries are the consequences.

As inconspicuous or insignificant as they may appear on radiographs, avulsion or stress injuries are clinically important. They must be considered in order to be recognized and treated properly. Like dry humor they are often subtle in their presentation and similar to life, they are mysterious in their behavior. As radiologists, we believe that you see what you look for on radiographs and you find and diagnose what you know. Therefore, a knowledge of the various presentations...
and behaviors of these injuries in appropriate clinical settings is the key to their diagnosis and proper management. The first chapter of this book is dedicated to avulsion and avulsion-like injuries in the order of their anatomic location. It describes the injuries associated with different sports and other activities. The second chapter deals with stress injuries, illustrating the manifestations of cortical and cancellous bone fatigue fracture in normal bones as well as insufficiency fractures in osteopenic or weak bones. The third chapter emphasizes the role of scintigraphic imaging in stress injuries.

I am highly indebted to my teachers and colleagues, who with their interest were inspirational; to my residents, whose enthusiasm is a source of my energy; to Dr. Catherine A. Poole, Dr. Philip Hodes, Dr. Richard Greenspan, Dr. Mark Brown, Dr. Edward Russell, Dr. Henry H. Lerner, Dr. Robert Shapiro, Dr. Orlando Gabriele and Dr. Eric Radin for their support and encouragement. I am also happy to express my special appreciation to Dr. Henry H. Lerner for reading the manuscripts related to avulsion injuries. I am grateful to my co-editor and contributor Dr. Aldo Serafini for his encouragement and cooperation, and to my mentor, co-editor, contributor and dear friend, Dr. Joyce Pais for her help and support. I acknowledge the contributors to this book, Dr. William Ganz and Dr. Felix Wang, and all those who generously shared their material with us. I also wish to thank Norma Vera, Carol Lamarre, and Pearl Gilyard for their aid in the preparation of the manuscripts. Jamshid Tehranzadeh, MD