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### Elsevier Concise Medical Physiology

# Elsevier Boron & Boulpaep Concise Medical Physiology Manual

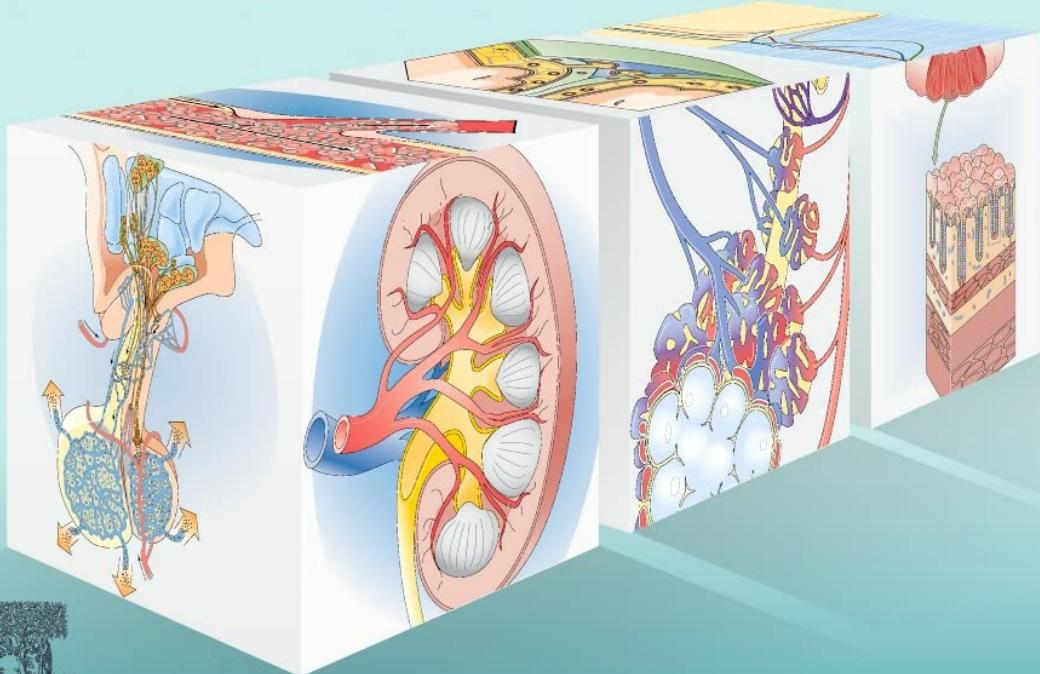
Official Instruction Manual

**INTRODUCTION TO BORON & BOULPAEP CONCISE MEDICAL PHYSIOLOGY**

WALTER F.  
**BORON**  EMILE L.  
**BOULPAEP**



# MANUAL de fisiología médica



This manual, "Boron & Boulpaep Concise Medical Physiology," is derived from the comprehensive "Boron & Boulpaep, Medical Physiology 3rd edition." It serves as a primary reference for medical students, offering a focused yet thorough understanding of physiological concepts. The content is designed to be highly informational, presenting complex topics in a clear and accessible manner.

The authors, who are also responsible for the original reference text, have meticulously curated this concise edition to highlight core physiological principles essential for medical education.

## KEY FEATURES AND FOUNDATIONAL PHILOSOPHY

The development of this concise manual adheres to three fundamental principles:

- **High Level of Homogeneity:** Despite being a multi-authored work, the content maintains a

consistent voice and approach across all chapters, reflecting decades of collaborative effort among the authors.

- **Integrated Physiological Concepts:** The manual integrates physiological concepts comprehensively, spanning from the molecular level of DNA and epigenetics to the complete organism, including all intermediate levels of complexity.
- **Clinical Context Presentation:** Key physiological principles are presented within a clinical context, enhancing their relevance and applicability for medical students.

A notable feature of this concise edition is the inclusion of icons throughout the text, which indicate cross-references to related topics, facilitating a deeper and interconnected understanding of the subject matter.

## MANUAL STRUCTURE AND ORGANIZATION

The manual is systematically organized into 10 distinct sections, which collectively encompass a total of 62 chapters. This structure mirrors that of the original reference text, ensuring a familiar and logical progression of topics.

In creating this concise version, the authors have aimed to reduce the length of each chapter by approximately half. This reduction was achieved by focusing on essential content and carefully removing elements such as certain tables and formulas that are not strictly necessary for comprehending the fundamental concepts.

## ACCESSING ONLINE RESOURCES

This manual includes access to supplementary online resources via SC.com. These resources are designed to enhance the learning experience and provide additional insights into physiological processes.

The online platform features a collection of 11 videos and animations illustrating various physiological mechanisms. Additionally, a corresponding e-book is available. Please note that all online content, including videos and the e-book, is provided in English.

## PRODUCT SPECIFICATIONS

- **Publisher:** Elsevier
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## AUTHORS AND EDITORS

The content of this manual has been developed and edited by a team of distinguished experts:

- Gerard Calleja Martín
- Mar Puigdellívol Cañadell
- Xavier Gasull Casanova

- Walter F. Boron MD PhD (Editor)
- Emile L. Boulpaep MD (Editor)

## SETUP AND PREPARATION

As a physical textbook, this manual requires no electronic setup or installation. Simply unpackage the book, and it is ready for immediate use. For accessing the digital version and online resources, an internet connection and a compatible device (computer, tablet, or smartphone) will be necessary.

## USING THE MANUAL

To effectively utilize this manual:

- **Navigation:** Refer to the table of contents and chapter headings to locate specific topics of interest.
- **Cross-References:** Pay attention to the cross-referencing icons within the text, which guide you to related information in other sections or chapters.
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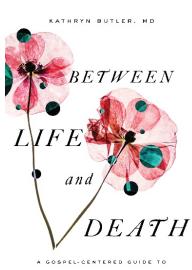
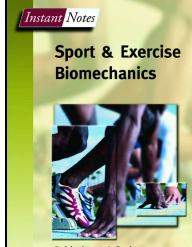
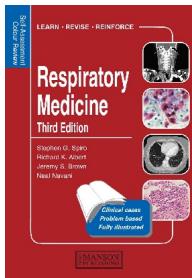
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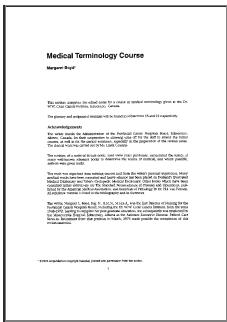
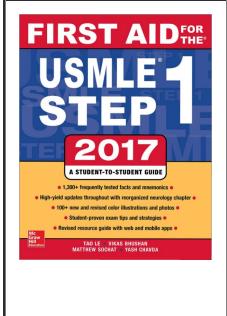
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