



# Fluid, Electrolyte and Acid-Base Physiology E-Book: A Problem-Based Approach

By Mitchell L. Halperin, Marc B. Goldstein, Kamel S. Kamel

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## Fluid, Electrolyte and Acid-Base Physiology E-Book: A Problem-Based Approach By Mitchell L. Halperin, Marc B. Goldstein, Kamel S. Kamel

The revised and updated fourth edition of Fluid, Electrolyte and Acid-Base Physiology continues to offer expert advice on the bedside management of acid-base and electrolyte disorders. Distinguished authors synthesize key theoretical and clinical information in a way that is easy to understand and apply. Discussions on the latest science, as well as new cases, new discoveries, and new approaches in intensive care are just a few of the updates you'll find to help you make the best management decisions. Clinical information is presented in an easy-to-understand style, and the integration of color offers increased visual guidance. What's more, diagnostic flow charts and critical questions challenge your problem-solving skills and reinforce your decision-making expertise.

- Incorporates relevant information on energy metabolism and endocrine, gastrointestinal, respiratory, and cardiovascular physiology.
- Features a consistent, user-friendly format with diagnostic algorithms and helpful margin notes.
- Includes numerous case studies that illustrate how key management principles are applied in practice.
- Presents questions and explanations throughout that let you test your knowledge and hone your skills.
- Features entirely new cases with discussions that keep you on the cusp of current clinical dilemmas and standards of practice.
- Discusses new treatment options to help you provide optimal care.
- Presents new discoveries to bring you up to date on the latest findings in science and clinical practice.
- Offers new approaches in critical care keeping you current in this emerging area of nephrology.

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### **Editorial Review**

Review

“Figures, algorithms, and tables...clearly summarize a lot of information, facilitating the comprehension of the topic under discussion.”?Pediatric Nephrology

### **Users Review**

**From reader reviews:**

**James Alvarez:**

Book is to be different for every grade. Book for children until adult are different content. We all know that that book is very important normally. The book Fluid, Electrolyte and Acid-Base Physiology E-Book: A Problem-Based Approach seemed to be making you to know about other expertise and of course you can take more information. It is rather advantages for you. The guide Fluid, Electrolyte and Acid-Base Physiology E-Book: A Problem-Based Approach is not only giving you more new information but also to get your friend when you truly feel bored. You can spend your own spend time to read your reserve. Try to make relationship together with the book Fluid, Electrolyte and Acid-Base Physiology E-Book: A Problem-Based Approach. You never truly feel lose out for everything in the event you read some books.

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