



# Fluids and Electrolytes in the Surgical Patient

*Carlos Pestana MD PhD FACS*

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## **Fluids and Electrolytes in the Surgical Patient** Carlos Pestana MD PhD FACS

Now in its thoroughly revised, updated Fifth Edition, this handbook is the only volume on fluids and electrolytes that is geared specifically to surgical residents and surgeons. It explains, in practical terms, how to assess and manage problems of fluid-electrolyte and acid-base balance in surgical patients. Coverage includes enteral and parenteral nutrition, calculations for fluid and electrolyte replacement, acid-base management in shock, and selection of the optimal method of fluid and electrolyte delivery. This edition's chapters have all been rewritten for easier readability. New charts and figures have been added and tables have been revised to reflect recent modifications in therapy. The text precisely describes the specific characteristics and uses of all currently available fluids. This edition also provides more information on the interpretation and therapeutic implications of laboratory results.

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