Backed by plenty of real-world examples, this popular guide is full of clear definitions, practical patient care info, and on-the-job how-to. Humor, illustrations, and a fun and easygoing style make it the most enjoyable way to absorb the science, concepts and real-world patient care skills. Gain the fluids and electrolytes knowledge and skills you need—in an incredibly easy way!

- **NEW!** All content fully updated
- Easy-to-follow definitions for fluid-related concepts
- Science of fluids and electrolytes offered in clear terms, as they relate to patient care
- Fluid types and fluid movements in different body systems
- How hormones and other elements affect fluid balance, losses and gains
- Nurse Joy and Nurse Jake explain key concepts in clear terms, offer important care reminders, and keep it light
- Plenty of patient care examples, including common fluids-related diagnoses, appropriate patient outcomes, and basis for each recommended treatment
- Four easy sections:
  - Balancing Basics - Balancing fluids; balancing electrolytes; balancing acids and bases
  - Fluid and Electrolyte Imbalances – Imbalances in: fluids; sodium; potassium; magnesium; calcium; phosphorus; chloride; and acids and bases
  - Disorders that Cause Imbalances – Heat-related illnesses; heart failure; respiratory failure; excessive GI fluid loss; acute pancreatitis; renal failure and burns
  - Treating Imbalances – IV fluid replacement; total parenteral nutrition

- Fun drawings and cartoons make skills and concepts easy to remember
- Plenty of quick-scan tables, illustrations, and flow charts offer key info
- Great refresher for new nursing grads and experienced nurses looking to renew their fluids and electrolytes knowledge

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