Table of Contents

Part 1 Approaching Drug-Nutrient Interactions

1 An Introduction to Drug-Nutrient Interactions
Joseph I. Boullata

2 Drug Disposition and Response
Robert B. Raffa

3 Drug Transporters
Richard H. Ho and Richard B. Kim

4 Drug-Metabolizing Enzymes
Thomas K. H. Chang

5 Nutrient Disposition
Francis E. Rosato, Jr.

Part 2 Influence of Nutrition Status on Drug Disposition and Effect

6 Influence of Protein-Calorie Malnutrition on Medication
Charlene W. Compher and Joseph I. Boullata

7 Influence of Overweight and Obesity on Medication
Joseph I. Boullata

Part 3 Influence of Food, Nutrients, or Supplementation on Drug Disposition and Effect

8 Drug Absorption with Food
David Fleisher, Burgunda V. Sweet, Ameeta Parekh, and Joseph I. Boullata
9 Specific Dietary Components and Medication

Karl E. Anderson

10 Grapefruit and Other Fruit Juices Interactions with Medicines

David G. Bailey

11 Positive Drug-Nutrient Interactions

Imad F. Btaiche, Burgunda V. Sweet, and Michael D. Kraft

12 Interaction of Natural Products with Medication and Nutrients

Lingtak-Neander Chan

13 Drug-Nutrient Interactions in Patients Receiving Enteral Nutrition

Carol J. Rollins

14 Drug-Nutrient Interactions in Patients Receiving Parenteral Nutrition

Jay M. Mirtallo

Part 4 Influence of Medication on Nutrition Status, Nutrient Disposition & Effect

15 Drug-Induced Changes to Nutritional Status

Jane M. Gervasio

16 Influence of Cardiovascular Medication on Nutritional Status

Nima M. Patel and Anna M. Wodlinger Jackson

17 Influence of Neurological Medication on Nutritional Status

Marianne S. Aloupis and Ame L. Golaszewski

18 Drug-Nutrient Interactions Involving Folate

Patricia Worthington and Leslie Schechter

19 Drug-Nutrient Interactions that Impact on Mineral Status

Sue A. Shapses, Yvette R. Schlussel, and Mariana Cifuentes
Part 5 Drug-Nutrient Interactions by Life Stage

20 Drug-Nutrient Interactions in Infancy and Childhood
Laureen Murphy Kotzer, Maria R. Mascarenhas, and Elizabeth Wallace

21 Drug-Nutrient Interaction Considerations in Pregnancy and Lactation
Myla E. Moretti and Danela L. Caprara

22 Drug-Nutrient Interactions in the Elderly
Bruce P. Kinosian and Tanya C. Knight-Klimas

Part 6 Drug-Nutrient Interactions in Specific Conditions

23 Drug-Nutrient Interactions and Immune Function
Adrienne Bendich and Ronit Zilberboim

24 Drug-Nutrient Interactions in Patients with Chronic Cancer
Todd W. Canada

25 Drug-Nutrient Interactions in Transplantation
Matthew J. Weiss, Vincent T. Armenti, Nicole Sifontis, Jeanette M. Hasse

26 Drug-Nutrient Interactions in Patients with Chronic Infections
Steven P. Gelone and Judith A. O'Donnell