

# A.S.P.E.N. PARENTERAL NUTRITION WORKBOOK: CASES AND WORKSHEETS FOR ADULT, PEDIATRIC, AND NEONATAL PATIENTS

## EDITORS

**M. Petrea Cober**, PharmD, BCNSP  
Clinical Coordinator, Neonatal Intensive Care Unit,  
Akron Children's Hospital;  
Associate Professor of Pharmacy Practice,  
Northeast Ohio Medical University, College of Pharmacy  
Akron, OH

**Karrie Derenski**, PharmD, BCNSP, CNSC  
Metabolic Support Coordinator,  
Residency Program Director  
Cox Health  
Springfield, MO

**Ainsley Malone**, MS, RD, LD, CNSC, FAND, FASPEN  
Nutrition Support Team,  
Mt. Carmel West Hospital;  
Clinical Practice Specialist,  
American Society for Parenteral and Enteral Nutrition  
Columbus, OH

**Jessica Monczka**, RD, LDN, CNSC  
Dietitian, Specialty,  
Arnold Palmer Medical Center,  
Orlando Health  
Orlando, FL

## CONTRIBUTING AUTHOR

**Laura J. Medow**, BS, RPH  
Clinical Pharmacist  
Saint Joseph Health System, Mishawaka Campus  
Mishawaka, Indiana

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Print edition ISBN-13: 978-1-889622-25-5

eBook edition ISBN-13: 978-1-889622-26-2

Printed in the United States of America.

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# Introduction

Parenteral nutrition (PN) is a complex nutrition support modality and is reserved for patients with inadequate gastrointestinal function. Many reasons account for its complexity including the use of multiple components, the creation of a safe and stable formulation, and the effective management of clinically challenging patients. Prescribing and ordering PN is a process that should be performed by experienced clinicians who have demonstrated necessary proficiency and competence. A PN order completed by an inexperienced clinician may result in an unsafe PN formulation with the potential to cause serious patient harm.

The knowledge and skills to prescribe and order PN are gained through a combination of content mastery and experiential activities. This PN order writing workbook is intended to augment PN knowledge with experience. It consists of various adult, pediatric, and neonatal patient cases requiring PN. Important clinical information is provided, combined with key questions to guide the learner through the PN order writing process. Essential information to assist the learner in completion of a PN order is included in the appendices. These patient cases and additional information are intended to provide the learner with the experience to begin PN order writing in his or her institution. A review of the following articles on safe PN prescribing and ordering and PN order writing competency will enhance the experiences within this workbook:

- Ayers P, Adams S, Boullata J, et al; the American Society for Parenteral and Enteral Nutrition (A.S.P.E.N.). A.S.P.E.N. parenteral nutrition safety consensus recommendations. *J Parent Ent Nutr*. 2013;296–333.
- Guenter P, Boullata JI, Ayers P, et al; Parenteral Nutrition Safety Task Force, the American Society for Parenteral and Enteral Nutrition (A.S.P.E.N.). Standardized competencies for parenteral nutrition prescribing: the American Society for Parenteral and Enteral Nutrition model. *Nutr Clin Pract*. 2015;30:570–576.