

## Parenteral Nutrition Web-based Order Writing: Educating Prescribers Utilizing a Network-wide Computerized E-Learning Tool

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# Parenteral Nutrition Web-based Order Writing: Educating Prescribers Utilizing a Network-wide Computerized E-Learning Tool

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## LEARNING OUTCOME:

To achieve positive outcomes in the adult hospitalized patient receiving intravenous nutrition therapy by enhancing the knowledge base and ordering skill set of parenteral nutrition prescribers utilizing an interactive computerized E-learning program.



## Purpose:

- Provision of safe and cost-effective parenteral nutrition (PN) utilizing evidence-based research is essential to achieve positive patient outcomes
- Physicians, physician assistants and nurse practitioners write PN prescriptions but often lack the skill set to initiate and manage this therapy
- Many health care institutions and states deny order-writing privileges to the Registered Dietitian, relegating this professional to an advisory or consultant's role
- In northeast Pennsylvania, a multi-site institution with 981 acute care beds, a PN E-learning tool was designed utilizing clinical practice guidelines published by the American Society of Enteral and Parenteral Nutrition
- All network PN prescribers are encouraged to complete the five-module series and a pre-and post-test to demonstrate competency
- This educational program is utilized by Registered Dietitians and Dietetic Interns to enhance understanding of this specialized nutrition support modality.

## LVHN The Learning Center E-Learning Tool

### Parenteral Nutrition Support in the Hospitalized Patient

#### PRE-TEST

MODULE #1	Introduction to Parenteral Nutrition
MODULE #2	Macronutrient Composition of Parenteral Nutrition Formulations
MODULE #3	Micronutrient Composition of Parenteral Nutrition Formulations Basics of Acid-Base Balance
MODULE #4	Prescribing Parenteral Nutrition Formulations
MODULE #5	Monitoring Parenteral Nutrition Therapy, Prevention and Treatment of Parenteral Nutrition Complications Case Studies

#### POST-TEST

## Projected Audience of Learners:

### Prescribers of Parenteral Nutrition

Physicians  
Medical and Surgical Residents  
Family Practice Residents  
Ob/GYN Residents  
Physician Assistants  
Certified Registered Nurse Practitioners  
Certified Nutrition Support Clinicians

### Non-Prescribers of Parenteral Nutrition

Registered Dietitians  
Registered Nurses  
Registered Pharmacists  
Medical Students  
Dietetic Interns  
Nursing Students  
Pharmacy Students  
Physician Assistant Students

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