

**UNIVERSITY OF MISSISSIPPI SCHOOL OF PHARMACY  
INTRODUCTORY PHARMACY PRACTICE EXPERIENCES**

Student: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Rotation Type: **INSTITUTIONAL** Rotation #: 1 2 3 4  
(PHCY 651)

Preceptor: \_\_\_\_\_ Preceptor Signature: \_\_\_\_\_

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**Activity: Parenteral Nutrition Management**

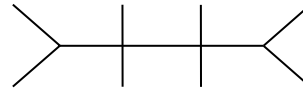
**Directions:** While on your institutional rotation, make a copy of a Total Parenteral Nutrition (TPN) medication label and answer the following questions. You may have to get some information from the patient's profile.

Patient's Age: \_\_\_\_\_ Patient's Sex: \_\_\_\_\_ Patient's Weight: \_\_\_\_\_ Allergies: \_\_\_\_\_

What are the patient's most recent labs? If the value is not within normal limits mark it with a high (↑) or low (↓) arrow.

Magnesium:  
Phosphorus:  
Pre-Albumin:

Triglycerides:  
AST / ALT:  
PT / INR:



TPN infusion rate: \_\_\_\_\_ Total volume to be infused: \_\_\_\_\_  
Calories provided by: Fat: \_\_\_\_\_ Protein: \_\_\_\_\_ Dextrose: \_\_\_\_\_

Is this TPN a 2-in-1 or a 3-in-1 mixture? What does this mean?

\_\_\_\_\_

\_\_\_\_\_

What is the osmolarity of the TPN? Could it be administered peripherally and why or why not?

\_\_\_\_\_

\_\_\_\_\_

List all of the electrolytes and the amounts that have been added to the TPN. Be sure to use the right units.

- |          |           |
|----------|-----------|
| 1) _____ | 6) _____  |
| 2) _____ | 7) _____  |
| 3) _____ | 8) _____  |
| 4) _____ | 9) _____  |
| 5) _____ | 10) _____ |

List all other additives, amounts, and rationale for adding to TPN.

\_\_\_\_\_

\_\_\_\_\_

Indicate whether the following electrolytes or additives should be adjusted by choosing your answer:

Na <sup>+</sup> : <input type="checkbox"/> ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> ↔	PO <sub>4</sub> <sup>3-</sup> : <input type="checkbox"/> ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> ↔
K <sup>+</sup> : <input type="checkbox"/> ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> ↔	Ca <sup>++</sup> : <input type="checkbox"/> ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> ↔
Cl <sup>-</sup> : <input type="checkbox"/> ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> ↔	Insulin: <input type="checkbox"/> ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> ↔
Mg <sup>++</sup> : <input type="checkbox"/> ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> ↔	( ) <input type="checkbox"/> ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> ↔

Discuss with the pharmacist, TPN therapeutic and adverse event monitoring and drug interactions.

**INSTITUTIONAL**

**Parenteral Nutrition Management**

ACPE Pre-APPE Core Domains: Mathematics (Key Elements 1.2, 2.2).

Core Entrustable Professional Activities: Population Health Promotor Domain-Maximize the appropriate use of medications in a population.