



# PN Order Review and Verification CHECKLIST

The **American Society for Parenteral and Enteral Nutrition** (A.S.P.E.N.) champions the best evidence-based practices that support parenteral nutrition therapy in varying age populations and disease states. The appropriate use of this complex therapy aims to maximize clinical benefit while minimizing the potential risks for adverse events.

The **purpose of this checklist** is to promote safe practices by pharmacists and other clinicians in the PN order review and verification process.

## **Verify PN order elements for:**

- Patient name- or other identifier
- Birth date and/or age
- Allergies and associated reactions
- Height and dosing weight (metric units)
- Diagnosis/diagnoses
- Indication(s) for PN
- Administration route/vascular access device (peripheral vs central)
- Prescriber contact information
- Date and time order submitted
- Administration date and time
- Volume and infusion rate
- Infusion schedule (continuous or cyclic)
- Type of formulation (dextrose/amino acids with separate infusion of IVFE or total nutrient admixture)

## **Verify PN ingredients for:**

- Adults - amounts/day
- Pediatrics - amounts/kg/day
- Neonates - amounts/kg/day
- Electrolytes as complete salt form
- A dose for each macronutrient
- A dose for each electrolyte
- A dose for multivitamins
- A dose for individual vitamins, if ordered
- A dose for multi-trace elements
- A dose for individual trace elements, if ordered
- A dose for insulin, if ordered
- A dose for non-nutrient medications, if ordered

## **Perform clinical review of PN order for:**

- Indication consistent with published guidelines
- Appropriate dose of each additive
- Appropriate osmolality for route of administration (peripheral vs. central)

## **Compare order to previous day's order to assess component doses for substantial changes**

## **Perform PN order safety review for:**

- Compatibility of ingredients
- Stability of formulation

## **Perform independent double-check for:**

- Transcribed order data prior to compounding
- Calculations or conversion of units of measure