



A guideline-derived mnemonic was developed to systematically and safely manage TPN therapy. The mnemonic combines 7 essential components of TPN use and monitoring: Indications, Allergies, Macro/Micro nutrients, Fluid, Underlying comorbidities, Labs, and Line type” Bohl and Parks (2017).

Abstract:

OBJECTIVE: To present a guideline-derived mnemonic that provides a systematic monitoring process to increase pharmacists’ confidence in total parenteral nutrition (TPN) monitoring and improve safety and efficacy of TPN use.

DATA SOURCES: The American Society for Parenteral and Enteral Nutrition (ASPEN) guidelines were reviewed. Additional resources included a literature search of PubMed (1980 to May 2016) using the search terms: total parenteral nutrition, mnemonic, indications, allergy, macronutrients, micronutrients, fluid, comorbidities, labs, peripheral line, and central line. Articles (English-language only) were evaluated for content, and additional references were identified from a review of literature citations.

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STUDY SELECTION AND DATA EXTRACTION: All English-language observational studies, review articles, meta-analyses, guidelines, and randomized trials assessing monitoring parameters of TPN were evaluated.

DATA SYNTHESIS: The ASPEN guidelines were referenced to develop key components of the mnemonic. Review articles, observational trials, meta-analyses, and randomized trials were reviewed in cases where guidelines did not adequately address these components.

CONCLUSIONS: A guideline-derived mnemonic was developed to systematically and safely manage TPN therapy. The mnemonic combines 7 essential components of TPN use and monitoring: Indications, Allergies, Macro/Micro nutrients, Fluid, Underlying comorbidities, Labs, and Line type.

Reference:

Bohl, C.J. and Parks, A. (2017) A Mnemonic for Pharmacists to Ensure Optimal Monitoring and Safety of Total Parenteral Nutrition: I AM FULL. *The Annals of pharmacotherapy*. 51(7), p.603-613.

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