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Use of Intravenous Lipid Emulsions With Parenteral Nutrition: Practical Handling Aspects

Fresenius Kabi Deutschland GmbH provided financial support for the development of this supplement, in full compliance with international guidelines for Good Publication Practice (GPP3)

Cover Art Note: In this supplement, a panel of leading global experts with significant experience in the provision of nutrition parenteral and intravenous lipid emulsions review evidence-based literature and guidelines to assist clinicians to bridge the gap between the recommendations and their practical application in the provision of lipid emulsions via the parenteral route. DHA, docosahexaenoic acid; EPA, eicosapentaenoic acid; HLA, human leukocyte antigen; NFκB, nuclear factor κ B.
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Robert G. Martindale, MD, PhD; and Stanislaw Klek, MD, PhD

REVIEWS

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Lipids in Parenteral Nutrition: Biological Aspects
Philip C. Calder, PhD; Dan L. Waitzberg, MD, PhD; Stanislaw Klek, MD, PhD; and Robert G. Martindale, MD, PhD

Lipid Use in Hospitalized Adults Requiring Parenteral Nutrition
Konstantin Mayer, MD; Stanislaw Klek, MD, PhD; Abelardo Garcia-de-Lorenzo, MD, PhD; Martin D. Rosenthal, MD; Ang Li, MD; David C. Evans, MD; Maurizio Muscaritoli, MD, PhD; and Robert G. Martindale, MD, PhD

Use of Lipids in Adult Patients Requiring Parenteral Nutrition in the Home Setting
Manpreet S. Mundi, MD; Stanislaw Klek, MD, PhD; and Robert G. Martindale, MD, PhD

Use of Lipids in Neonates Requiring Parenteral Nutrition
Girish C. Deshpande, MD, FRACP, MSc, MBBS; and Wei Cai, MD, PhD

Lipid Emulsion Use in Pediatric Patients Requiring Long-Term Parenteral Nutrition
Olivier J. Goulet, MD, PhD; Wei Cai, MD, PhD; and Jeong-Meen Seo, MD, PhD

Pharmacoeconomics of Parenteral Nutrition with ω-3 Fatty Acids in Hospitalized Adults
Lorenzo Pradelli, MD; Maurizio Muscaritoli, MD, PhD; Stanislaw Klek, MD, PhD; and Robert G. Martindale, MD, PhD

Use of Intravenous Lipid Emulsions With Parenteral Nutrition: Practical Handling Aspects
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ACKNOWLEDGEMENT

Fresenius Kabi Deutschland GmbH provided financial support for the development of this supplement, in full compliance with international guidelines for Good Publication Practice (GPP3).

The American Society for Parenteral and Enteral Nutrition (ASPEN) gratefully acknowledges Fresenius Kabi Deutschland GmbH, or its subsidiaries for sponsoring this supplement.

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Cover image credit: Figure adapted from Calder PC, Waitzberg DL, Klek S, Martindale RG. Lipids in parenteral nutrition: biological aspects. JPEN J Parenter Enteral Nutr. 2020;44(Suppl 1):S21-S27. DHA, docosahexaenoic acid; EPA, eicosapentaenoic acid; HLA, human leukocyte antigen; NFκB, nuclear factor κ B.

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