

ESPEN Practical Guideline: home parenteral nutrition

Loris Pironi ¹, Kurt Boeykens ², Federico Bozzetti ³, Francisca Joly ⁴, Stanislaw Klek ⁵, Simon Lal ⁶, Marek Lichota ⁷, Stefan Mühlebach ⁸, Andre Van Gossum ⁹, Geert Wanten ¹⁰, Carolyn Wheatley ¹¹, Stephan C Bischoff ¹²

¹ University of Bologna, Department of Medical and Surgical Sciences, Italy; IRCCS AOUBO, Centre for Chronic Intestinal Failure - Clinical Nutrition and Metabolism Unit, Italy.
Electronic address: loris.pironi@unibo.it.

² Vitaz Hospital, Nutrition Support Team, Sint-Niklaas, Belgium.

³ Faculty of Medicine, University of Milan, Italy.

⁴ Beaujon Hospital, APHP, University of Paris VII, Clichy, France.

⁵ Surgical Oncology Clinic, The Maria Skłodowska-Curie National Cancer Institute, Krakow, Poland.

⁶ Salford Royal NHS Foundation Trust, Salford, UK.

⁷ Intestinal Failure Patients Association "Appetite for Life", Cracow, Poland.

⁸ Division of Clinical Pharmacy and Epidemiology and Hospital Pharmacy, University of Basel, Basel, Switzerland.

⁹ Hôpital Erasme and Institut Bordet, Brussels, Belgium.

¹⁰ Intestinal Failure Unit, Radboud University Medical Centre, Nijmegen, the Netherlands.

¹¹ Support and Advocacy Group for People on Home Artificial Nutrition (PINNT), UK.

¹² University of Hohenheim, Institute of Nutritional Medicine, Stuttgart, Germany.

Abstract

This guideline will inform physicians, nurses, dieticians, pharmacists, caregivers and other home parenteral nutrition (HPN) providers, as well as healthcare administrators and policy makers, about appropriate and safe HPN provision. This guideline will also inform patients requiring HPN. The guideline is based on previous published guidelines and provides an update of current evidence and expert opinion; it consists of 71 recommendations that address the indications for HPN, central venous access device (CVAD) and infusion pump, infusion catheter and CVAD site care, nutritional admixtures, program monitoring and management. Meta-analyses, systematic reviews and single clinical trials based on clinical questions were searched according to the PICO format. The evidence was evaluated and used to develop clinical recommendations implementing Scottish Intercollegiate Guidelines Network methodology. The guideline was commissioned and financially supported by ESPEN and members of the guideline group were selected by ESPEN.

Keywords: Central venous access device; Home parenteral nutrition; Intestinal failure; Multidisciplinary team; Parenteral nutrition admixture; Patient training.

Published in Clin Nutr 2023;42(3):411-430. doi: 10.1016/j.clnu.2022.12.003.

Contact: stefan.muehlebach@unibas.ch