

# NUTRITION: (UN) RECOGNIZED DETERMINANT IN ICU PATIENTS' RECOVERY

Evidence Booklet with pivotal papers for highlighting the nutrition support needs and gaps of ICU and post ICU patients



# Nutrition support in the ICU: Meeting nutritional requirements



Massanet PL, Petit L, Louart B, et al. Nutrition rehabilitation in the intensive care unit. *Journal of parenteral and enteral nutrition*. 2015;39(4):391-400.



Wischmeyer. Are we creating survivors... or victims in critical care? Delivering targeted nutrition to improve outcomes. *CURRENT OPINION IN CRITICAL CARE*. Volume 22 (4); 279- 284, 2016



Berger MM, Reintam-Blaser A, Calder PC, et al. Monitoring nutrition in ICU. *Clinical Nutrition*. 2019; 38:584-93.



Berger MM, Reintam-Blaser A, Calder PC, Casaer M, Hiesmayr MJ, Mayer K, Montejo JC, Pichard C, Preiser JC, van Zanten ARH, Bischoff SC, Singer P. Monitoring nutrition in the ICU. *Clin Nutr* 2018, 38, 584–593. doi: 10.1016/j.clnu.2018.07.009.



Singer P, Reintam-Blaser A, Berger MM, Alhazani W, Calder PC, Casaer M, Hiesmayr MJ, Mayer K, Montejo JC, Pichard C, Preiser JC, van Zanten ARH, Oczkowski S, Szczeklik W, Bischoff SC. ESPEN guideline on clinical nutrition in the intensive care unit. *Clin Nutr* 2018, 38,48-79. doi: 10.1016/j.clnu.2018.08.037.



Singer P, Berger MM, Weijs PJM. The lessons learned from the EAT ICU study. *Intensive Care Med*, 2018, 44(1):133-134. doi: 10.1007/s00134-017-4977-8.



Bendavid I, Singer P, Theilla M, et al. NutritionDay ICU: A 7 year worldwide prevalence study of nutrition practice in intensive care. *Clin Nutr*. 2017;36(4):1122-9.

# Achieving higher protein intakes in the ICU



Koekkoek W, van Setten CHC, Olthof LE, Kars J, van Zanten ARH. Timing of PROTEin Intake and clinical outcomes of adult critically ill patients on prolonged mechanical VENTilation: the PROTINVENT retrospective study. *Clin Nutr.* 2019;38(2):883–90.



van Zanten ARH, Petit L, De Waele J, et al. Very high intact-protein formula successfully provides protein intake according to nutritional recommendations in overweight critically ill patients: a double-blind randomized trial. *Critical Care* 2018; 22(1): 156.



Zanten van ARH, Waele de E, Wischmeyer PE. Nutrition therapy and critical illness: practical guidance for the ICU, post-ICU, and long-term convalescence phases. *Critical Care.* 2019; 23:368.



van Zanten ARH, Petit L, de Waele J, et al. Response to Gunst and Casaer on the letter to the editor “Is the protein intake saturated at doses recommended by the feeding guidelines for critically ill patients?” *Critical Care.* 2018;22(1):330

# Nutrition support in the post -ICU period: Meeting nutritional requirements?



Ridley EJ, Parke RL, Davies AR, al. What Happens to Nutrition Intake in the Post Intensive Care Unit Hospitalization Period? An Observational Cohort Study in Critically Ill Adults. *JPEN*. 2019;45(1):88-95.



Peterson SJ, Tsai AA, Scala CM, et al. Adequacy of oral intake in critically ill patients 1 week after extubation. *J Am Diet Assoc*. 2010;110(3):427-33.



Ridley EJ, Peake SL, Jarvis M, Deane AM, Lange K, Davies AR, et al. Nutrition therapy in Australia and New Zealand intensive care units: an international comparison study. *JPEN J Parenter Enteral Nutr*. 2018;42(8):1349-57.



Lambell et al. Nutrition therapy in critical illness: a review of the literature for clinicians. *Critical Care* (2020) 24:35



Chapple LS, Deane AM, Heyland DK, Lange K, Kranz AJ, Williams LT, et al. Energy and protein deficits throughout hospitalization in patients admitted with a traumatic brain injury. *Clin Nutr*. 2016;35(6):1315-22.



Zanten van ARH, Waele de E, Wischmeyer PE. Nutrition therapy and critical illness: practical guidance for the ICU, post-ICU, and long-term convalescence phases. *Critical Care*. 2019; 23:368.



Hiesmayr M, Tarantino S, Moick S, et al. Hospital Malnutrition, a Call for Political Action: A Public Health and NutritionDay Perspective. *J Clin Med*. 2019;8(12):2048.

