

Recently, however, with the advent of non-antibiotic antimicrobial catheter lock solutions, this approach is gaining popularity as a promising method to decrease rates of CRBSI in HPN patients” Noelting et al (2018).

Abstract:

Patients on home parenteral nutrition (HPN) are dependent on central venous access for long-term sustenance, and catheter-related bloodstream infections (CRBSIs) are a major cause of morbidity and mortality in this patient population. As such, there is much interest in finding new methods for preventing CRBSIs in patients on HPN. As it is thought that these infections are preceded by microbial colonization of the catheter, one approach is to use antimicrobial catheter lock solutions. Although antibiotic catheter lock solutions have been present for decades, their use has been mostly limited to the treatment of CRBSIs due to concern for promoting microbial resistance. Recently, however, with the advent of non-antibiotic antimicrobial catheter lock solutions, this approach is gaining popularity as a promising method to decrease rates of CRBSI in HPN patients.

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Reference:

Noelting, J., Jurewitsch, B. and Allard, J.P. (2018) Non-Antibiotic Antimicrobial Catheter Lock Solutions in Patients on Home Parenteral Nutrition. *Nutrients*. 10(9), p.1165.

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