

ClearGuard[™] HD

Antimicrobial Barrier Caps for Haemodialysis Catheters

Clinically proven to reduce the rate of bloodstream infections in haemodialysis catheters and recommended in the UKs National Institute for Health and Care Excellence (NICE) Medical Technologies Guidance [MTG62]





Catheter infections are frequent, costly, and deadly

- Increased infection rates are associated with use of invasive devices, in particular, central lines, urinary catheters, and ventilators³
- 15-38% of patients receive haemodialysis using a central venous catheter (CVC) in European countries4
- CLABSIs are very expensive with an estimated additional length of stay of 4-14 days and additional costs per episode of €4,200-13,030 in European countries³

Reduce haemodialysis catheter infections by up to 63%

Multiple large, prospective, cluster-randomized multicentre open-label trials demonstrated a significant reduction in the rate of positive blood cultures (PBCs) and CLABSIs using ClearGuard HD caps vs. control groups.



Recommended in Infusion Therapy Standards of Practice 9th edition: 2024

INS SOP. 27. Vascular Access and Hemodialysis, Section C3 INS SOP, 47. Vascular Access Device-Related Infection, Section J



Recommended in the UKs NICE National Guidance for haemodialysis catheter-related bloodstream infections: 2021**

https://www.nice.org.uk/guidance/mtg62/

ClearGuard HD antimicrobial barrier caps recommended by NICE for preventing catheter-related bloodstream infections in people with central venous catheters having haemodialysis.



Special Report published by Global Business Media exclusively features ClearGuard HD

Titled: Reducing Catheter Related Bloodstream Infections in Hemodialysis Patients



KDOQI°

Recommended in NKF's KDOOI Clinical Practice Guideline for Vascular Access:

21.3 KDOQI considers it reasonable to use an antimicrobial barrier cap to help reduce CRBSI in high-risk patients or facilities; the choice of connector should be based on clinician's discretion and best clinical judgment. (Expert Opinion)

A simple, intuitive design

The ClearGuard HD antimicrobial barrier cap is the first and only device for sale designed to kill infectioncausing bacteria inside a haemodialysis catheter hub.* ClearGuard HD features a rod that extends into the haemodialysis catheter hub. The rod and cap threads are coated with chlorhexidine, a well-known broadspectrum antimicrobial agent.



*Designed to kill microorganisms, not intended to be used for treatment of existing infections.

Contact us today to find out how ClearGuard HD can play a large role in your infection control practices. Visit www.icumed.com or call +44 (0)203 357 9400

- Hymes, JL et al. Dialysis catheter-related bloodstream infections: a cluster-randomized trial of the ClearGuard HD antimicrobial barrier cap. Am J Kidney Dis. 2017 Feb;69(2)220-227.
- Report on the Burden of Endemic Health Care-Associated Infection Worldwide, World Health Organization. 2011.
 Pisoni, RL et al. Trends in US Vascular Access Use, Patient Preferences, and Related Practices: An Update From the US DOPPS Practice Monitor With International Comparisons. Am J Kidney Dis

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