ClearGuard™ HD
Antimicrobial Barrier Caps for Hemodialysis Catheters
Clinically proven to reduce the rate of bloodstream infections in hemodialysis catheters
Reduce hemodialysis catheter infections with clinically proven technology¹,²

Catheter infections are frequent, costly, and deadly

Nearly 30,000 bloodstream infections occur in hemodialysis patients annually. Catheters cause 70% of vascular access-related BSIs and central venous catheters are used in only 19% of all dialysis procedures in the United States. Not only are central line-associated bloodstream infections (CLABSIs) a leading cause of hospitalization and the second leading cause of death in hemodialysis patients but they also increase healthcare costs by an average of $45,814 per infection.³⁴⁵

Reduce hemodialysis catheter infections by up to 63%¹

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

ClearGuard HD caps featured in Newsweek’s Best Infection Prevention Products

These infection control products were evaluated using four criteria: effectiveness, safety (to both patient and healthcare worker), successful real-world implementation, and the stability of the company (to support future implementations).

ClearGuard HD caps recommended in NKF’s KDOQI Clinical Practice Guideline for Vascular Access: 2019⁶

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)

ClearGuard HD caps selected as 100 Infection Control Products to Know for 3 years in a row

A simple, intuitive design

The ClearGuard HD antimicrobial barrier cap is the first and only device for sale designed to kill infection-causing bacteria inside a hemodialysis catheter hub. ClearGuard HD features a rod that extends into the hemodialysis catheter hub. The rod and cap threads are coated with chlorhexidine, a well-known broad-spectrum 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 866.488.6088

© 2020 ICU Medical Inc. | P20-4778 | Rx Only For safe and proper use, refer to the Instructions for Use. 800.824.7890 | www.icumed.com