

Understand the Chain of Infection

The Chain of Infection includes the presence of a pathogen at a level sufficient to cause disease, a source/reservoir for the pathogen, an exit portal from the source/reservoir with a mode of transmission to an entry portal in a host, and host susceptibility.

Infection Control refers to procedures that remove one or more of the links in the chain of the infection. **If any one of these conditions is not met, transmission of a particular disease cannot take place.** Infection control measures can be achieved via proper Hand Hygiene, Personal Protective Equipment, Surface Disinfection, Barrier Protection, Single-use Disposables, and Instrument Reprocessing.

Reference:
Principles of Epidemiology in Public Health Practice, Third Edition – Lesson 1:
Introduction to Epidemiology – Section 10: Chain of Infection
<https://www.cdc.gov/csels/dsepd/ss1978/lesson1/section10.html>



Break the Chain of Infection

KaVo Kerr's highly effective suite of infection prevention products helps with the vital task of protecting against harmful contagious pathogens and reducing the risk of cross contamination.

Safeguard you and your patients with KaVo Kerr's TotalCare products in the war against infection.



CaviWipes™/CaviCide™

- 3-minute Kill Time – for bacteria, viruses, fungi, and TB
- Cleaner and disinfectant in one product
- No dilution or mixing required
- Durable, non-woven towelettes
- Compatible for use on non-porous hard surfaces
- Recipient of the Dental Advisor's 2019 Preferred Product Award



Seal-Tight™

- Built-in rubber O-ring seals – avoiding wear and tear for a new-tip feel every time
- Flexible & Durable – ideal for cheek retraction
- Disposable tips – minimizing cross-contamination from patient to patient
- Fast tip changing with easy-to-install push-button adapters
- Time-saving – no more autoclaving tips
- Recipient of The Dental Advisor's Editors' Choice Award and Top Product Award in 2018 and 2019



VioNexus™ No Rinse Spray

- Contains 72% v/v ethanol, killing 99% of germs in seconds
- Cleans skin without running water
- Contains emollients to help prevent dry, irritated skin and leave hands feeling soft
- No water or towels needed, eliminating cross contamination
- Fast drying for quick donning of gloves
- Compliant with 2018 FDA final monograph on health care antiseptics



EmPower™

- 3-in-1 product: Enzymatic pre-soak – ultrasonic cleaning solution – evacuation system cleaner
- Quickly and effectively removes blood, protein, and other proteinaceous debris!
- Neutral pH formula – safe on instruments
- Economical concentrated product – 1 gallon of EmPower yields 128 gallons of solution!
- Fragrance-free option available for respiratory-sensitive users



PeelVue™ PRO Sterilization Pouch

- Triple seal for increased strength against tears
- Dotted perforation for easy visual guide when sealing pouch
- Thumb notch to assist with pouch opening
- Separate internal and external indicators for steam and EtO sterilization methods
- 2-year shelf life from date of manufacture with up to 6-month sterility after sterilization
- Compliant with packaging recommendations by the CDC*



Pinnacle™ Barriers

- Effective against Blood and Viral penetration
- Unique design of the ends to keep barriers in place
- Easy to apply and remove
- Available in various formats and sizes to fit most dental equipment and devices: chairs, headrests, sensors, lights, syringes, trays, X-ray machines, curing lights, impression guns, etc.
- Time-saving – minimizing staff time on cleaning and disinfecting

*Rutala, W.A., & Weber, D. J. (2008). Guideline for disinfection and sterilization in healthcare facilities.