Why **Disinfection in Between Patient Procedures** is Important

The Importance of **Preventing Cross-Contamination**

Hospitals move at a very fast pace. There are lots of people coming in and out, as well as equipment that needs to be moved throughout the facility. Healthcare-Associated Infections (HAIs) can easily spread by touching pieces of contaminated equipment and by not washing hands after contact with contaminated surfaces. If a surface is left uncleaned, it can easily become a source of cross-contamination. Equipment needs to be ready for use at any time. It must be disinfected to transport through already disinfected spaces. If contaminated equipment is moved through an already disinfected area, that area needs to be cleaned and disinfected again.

While manual cleaning is the predominant cleaning method, research published in the American Journal of Infection Control shows that as many as 50% of surfaces remain contaminated with pathogens, including MRSA, despite regular manual cleaning efforts. Disinfection in addition to traditional cleaning methods is the best way to help ensure a cleaner, safer environment.

How UVC Disinfection Can Help

Ultraviolet-C (UVC) disinfection is one type of no-touch technology shown to be a successful adjunct to manual cleaning. According to the FDA, UVC radiation is a known disinfectant for air and nonporous surfaces. UVC technology deploys UV light to penetrate the cell walls of spores, bacteria and viruses and renders these harmful pathogens unable to reproduce and spread after treatment with UVC energy. UVC radiation has effectively been used for decades to reduce the spread of bacteria and harmful pathogens. When bundled with manual cleaning and disinfection protocols, the technology significantly reduces patient exposure to HAIs.

Choosing the Right UVC System

In today's healthcare environment – including hyper awareness of virus transmission risk – hospitals need to choose technologies that can be measured and are able to provide the data needed to show proof of UVC dosing and compliance. UVC devices should be easily accessible to high-touch surface areas. Those surfaces need the most direct light to effectively and efficiently rid them of harmful, HAI-causing pathogens.

UVC radiation can only inactivate a virus if the virus is directly exposed to the radiation. If a surface is under a shadow, it won't be disinfected. Some UVC systems don't administer the proper dose and miss areas that may contain dangerous pathogens. The right UVC system should measure the delivered UVC dose and have a "pause and reposition" feature that helps operators ensure targeted areas of the room have received optimal dosage to kill harmful pathogens. This technology helps staff quickly disinfect crucial areas and return rooms to service.

Additionally, measuring the delivered UVC dose, tracking treatment data, monitoring effectiveness, and sharing with necessary stakeholders is an important function of UVC light technology. Using patented remote UVC sensors and pausing and repositioning the UVC system, helps address variables such as room shape and other obstacles that might prevent areas from being disinfected. The best UVC solutions work to reach all targeted areas within a treated room, including those in shadowed or hard-to-reach places.

Efficient and Effective UVC Systems

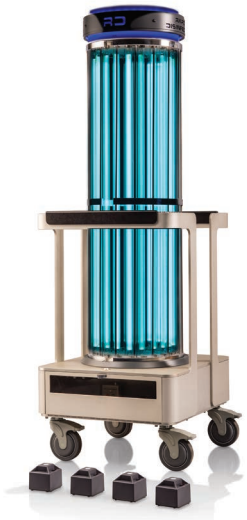
When evaluating systems, especially UVC disinfection tools, a rapid cleaning time is key to ensuring fast, effective IP. Look for a system that offers rapid 3+ Log_{10} reduction in 2 minutes or less and one that ensures this dosage is being delivered to targeted areas throughout a room. Rapid reduction in total pathogen load within a space minimizes the threat of further spread within a facility. Dosage measurement helps IP and EV teams know the disinfection has been completed so they can move onto the next area and ensure a safe space for the next patient.

Implementing the right UVC system can increase efficiency and attains cost savings without sacrificing patient safety. By reducing the pool of dangerous, deadly pathogens quickly and effectively, UVC technology empowers hospitals to return disinfected rooms and treatment areas back to service in a relatively short time. Faster turnaround means greater cost efficiency, which can mean increased profitability. The RD™ UVC Mobile System takes approximately 13 minutes in a typical patient room vs. 57 minutes for reflected light systems.

The RD UVC™ Mobile System

Allow your EVS team to treat up to four times more room in the same amount of time.

- “Pause and Reposition” Feature
- Reaches Shadowed Areas
- Confirms Completed Disinfection
- Saves Treatment Time
- Measures The Right Lethal Dose
- Records Comprehensive Data
- Ideal for Terminal Cleaning and Between Procedures
- Reports in Real Time



RD-Fx™ Fixed Mount System

With the RD™UVC Fixed System, rooms can be disinfected between each procedure in as little as 2 minutes – providing virtually no downtime.

- Fixed-Location Placement
- High-Tech Linear Fixtures
- Ultra-Fast Treatment Time
- Real-Time, Online Data Capture
- Touch-Screen Control Panel
- Patent Pending Remote Fixed Sure-Safe™ Sensors
- Ideal for Fast Disinfection Between Procedures

Contact us to learn more about UVC disinfection.

Request a consult today.

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