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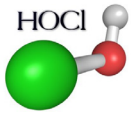
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STAY INFORMED

Health experts continue to discover new ways to protect against the spread of COVID-19. Visit hoclfogger.com/news to stay up to date on the latest information about the virus and how HOCl fogging can help promote practice safety.

MIDLANTIC DENTAL & MEDICAL

Genesis 2.6 HOCl Fogger



At the beginning of 2020, practices around the country looked forward to resetting production goals and expanding their patient care—never suspecting that a global pandemic might throw a wrench in their plans. Luckily, as we embark on a brand-new year, dental teams can be a bit more prepared, especially when they use solutions designed to keep their waiting rooms and operatories disinfected and safe for patients and staff.

Air purification systems have been surging in popularity within the dental community due to their ability to easily wipe out aerosols and potentially harmful pathogens from every corner of the office.

With a name that signals another historic beginning, the Genesis 2.6 hypochlorous acid (HOCl) fogger gives dental professionals an added tool to combat lingering aerosols in the practice. An effective disinfecting protocol used widely in South Korea, HOCl fogging has made its way into dental practices across the United States as a simple, nontoxic, and nonirritating way to clean the air and surfaces throughout the dental office.

Distributed by Midlantic Dental & Medical, the Genesis 2.6 HOCl fogger holds 1 gallon of solution, and its unique rotating nozzle makes it ergonomically comfortable and easy to use. It not only adds an extra layer of infection control to a practice's cleaning routine, but it also helps cut down on the use of harsh or aggressive chemicals.

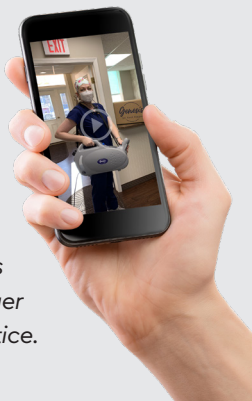
The Science Behind the Fogger

Perhaps the most groundbreaking facet of HOCl fogging is the chemistry behind its effectiveness. HOCl is the most effective member of the chlorine family, with none of the negative traits of chlorine bleach. The sodium hypochlorite ion in bleach carries a negative electrical charge, while HOCl carries no electrical charge. This allows it to efficiently penetrate the protective wall of viruses, bacteria, or fungi, because germs are negatively charged.

Additionally, because fogging atomizes the HOCl into an ultrafine mist, it begins disinfecting and killing pathogens in a matter of seconds, whereas wipes and sprays may take up to 30 seconds. The speed at which HOCl begins working, and the power and convenience of the fogger's delivery system, helps dental teams maintain a safe, clean environment. Disinfecting your entire office just became much easier!

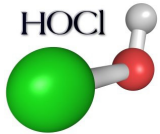
HOW IT WORKS

"This fogger beats every mark and exceeds my expectations," said Sarah Raymond, DDS. Visit hoclfogger.com/videos and watch her demonstrate how she uses the Genesis 2.6 HOCl Fogger in her Thurmont, MD, practice.



FOR MORE INFORMATION:

301.367.2177
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LEARN
MORE

Visit hoclfogger.com/news to stay up to date on how aerosols are impacting the spread of the coronavirus and how HOCl fogging can help.

MIDLANTIC DENTAL & MEDICAL

An Ultrafine Approach to Combat Aerosols

One clinician shares her experience using hypochlorous acid fogging to keep her team members safe and her practice thriving—even in the midst of a pandemic

Dentists, by their very nature, are problem solvers. After all, fixing broken teeth, relieving sensitivity, and restoring proper occlusion are all part of the job description. So, even in the face of an unprecedented global pandemic, keeping the dental team and patients safe may be a problem, but it's an entirely solvable one—at least according to Sarah Raymond, DDS.

Like many of her peers, Dr. Raymond assumed that in the worst-case scenario, her Thurmont, MD, practice would be shut down for a week, maybe two. But as the coronavirus continued to spread and a third and fourth week rolled by, reality set in and she decided it was time to take some action.

"I realized the office was going to be closed for a while and that I needed to start taking measures not only to make myself feel safe, but to make my team and patients feel safe," she shared. "I started to ask myself, 'How can I solve this problem?' And once I started looking at it as a problem-solving issue, it got easier."

New Protocols for a Pandemic

Dr. Raymond got to work installing medical-grade air purifiers in all 7 operatories, ordering external suction units, and making sure her dental team had extra-long gowns, face shields, and hair coverings to protect themselves. But she didn't stop there.

"I belong to an international organization called Mommy Dentists in Business, and it has been my true lifeline during this whole process," she shared. "Think about it—if you take a problem and pose it to 7,000+ women, we're going to come up with a solution."

As group members tossed around ideas to enhance infection control in their practices, one



member posted a video that piqued Dr. Raymond's interest. It was of a South Korean company demonstrating hypochlorous acid (HOCl) fogging.

"I did some research on HOCl fogging and realized that it was pretty much the only thing I could do to make sure that any viral particles that are in the air or that potentially hit a no-touch or low-touch area are eradicated," she shared.

After some trial and error exploring different fogging systems, Dr. Raymond found the U.S. distributor of the exact same HOCl fogger she saw in the video, Midlantic Dental & Medical. After sharing her research and knowledge on HOCl fogging with her dental team, they became believers, too, and now love taking turns using the disinfecting fogger.

"We use the fogger twice a day—at lunchtime and at the end of the day—and it takes 3 to 4 minutes, tops, to fog the entire office," she shared, adding that the tank holds just over a gallon of solution and only needs to be refilled about once a week. "We can easily change the angle of the nozzle and the force of it allows us to reach every corner very quickly just by standing in the doorway. This fogger beats every mark and exceeds my expectations."

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Sarah Raymond, DDS

"I think part of the reason why my office is thriving, even in the face of this pandemic, is that my team feels safe...which then trickles down to my patients."

An Added Layer of Protection

While fogging may be foreign to most dentists in the states, it has been used effectively in South Korea for many years to naturally and safely disinfect schools, medical offices, and cruise ships. Early on in the pandemic, it was even reported that workers at drive-through coronavirus testing stations in South Korea would step into a portable booth called a "Clean Zone," where they were showered in a hypochlorous acid disinfectant.

The most effective member of the chlorine family, HOCl is a nontoxic, nonirritating solution with a neutral pH. While the sodium hypochlorite ion in chlorine bleach carries a negative electrical charge, HOCl carries no electrical charge—allowing it to efficiently penetrate the protective wall of a negatively charged virus, bacteria, or fungi.

When the solution is atomized via fogging, ultra-low volume particles of 20 to 50 microns are created that linger in the air for an extended period of time—encouraging prolonged contact with airborne pathogens.

"The whole idea behind fogging is that your surfaces should not be wet because it's such an ultrafine mist. And unlike a chlorine bleach wipe that has a negative charge to it, HOCl is neutral, so it can attach quickly to a negatively charged viral particle and render it ineffective," said Dr. Raymond.

The Bright Side of Recovery

Prior to reopening the practice, Thurmont Family Dentistry held an outdoor 2-hour seminar on infection prevention where Dr. Raymond shared the new protocols being introduced to the office—including the research she had done on HOCl fogging.

"My team members' eyes just kept getting bigger and bigger the more I talked about it. And at the end of the seminar, they thanked me—not only for preserving the office and providing a place for them to come back to—but for going above and beyond to make them feel safe."

While not every practice has been successful in ramping back up to its pre-COVID production levels—a fact that Dr. Raymond acknowledges with a heavy heart—Thurmont Family Dentistry is already seeing the bright side of recovery. The practice recently hired an associate and another hygienist, and will soon be adding to the front desk and clinical assistant teams.

"I think part of the reason why my office is thriving, even in the face of this pandemic, is that my team feels safe...which then trickles down to my patients," Dr. Raymond shared. "We practice in a small community, so word is getting out as patients tell each other what I'm doing in the office to ensure their safety. And because of that, I now have new patients banging down my door."

THE BENEFITS OF BEING HOClean



Whether you're looking for an added layer of infection prevention or trying to cut down on the use of harsh chemicals in the office, naturally disinfecting with HOCl fogging provides multiple benefits for both practice and patients.

How It Works

While it may seem complicated, the science behind HOCl fogging is simple. Wipes and sprays formulated with chlorine bleach carry a negative electrical charge that can take up to 30 minutes to eliminate germs. But HOCl carries a neutral charge that, when atomized into an ultrafine mist, penetrates the wall of a negatively charged germ in a matter of seconds.

What Makes HOCl Different?

- Safe on the eyes and skin of dental team members and patients
- A powerful oxidant that's nontoxic and nonhazardous with a neutral pH
- 100x more effective than chlorine bleach

Supporting Evidence

It pays to do your research before introducing any new product into your infection prevention protocol. The Centers for Disease Control and Prevention, Environmental Protection Agency, and National Institutes of Health are all great resources to find out about HOCl fogging and how it can impact your practice's disinfecting routine. *For direct links to key supporting evidence from these agencies, visit hoclfogger.com.*

VIDEOS

Scan the QR code to see the HOCl fogger in action in multiple different environments, including a dental office waiting room.

