



New Technology Reduces Healthcare-Associated Infections and Surgical Site Infections

Steriwave Nasal Decolonization (ND) System

A broad-spectrum antimicrobial providing targeted decolonization safely, effectively, quickly

- Broad-spectrum: Kills all pathogens (bacterial, viral, fungal)
- Non-resistance forming
- Safe and painless treatment for patients **within 5 minutes**
- High compliance, clinician administered
- Suitable for repetitive use (e.g. healthcare workers, frequent hospital visitors, long-term care facilities, regular outpatients, dialysis patients)

More than 200,000 patient treatments safely performed with photodisinfection

Photodisinfection eliminates topical pathogens rapidly and does not generate resistance. It is a highly effective antimicrobial that is 1000 times more effective at targeting biofilms of bacteria, virus and fungi than current decolonization options.

Steriwave (ND) kills germs living in the nose in minutes

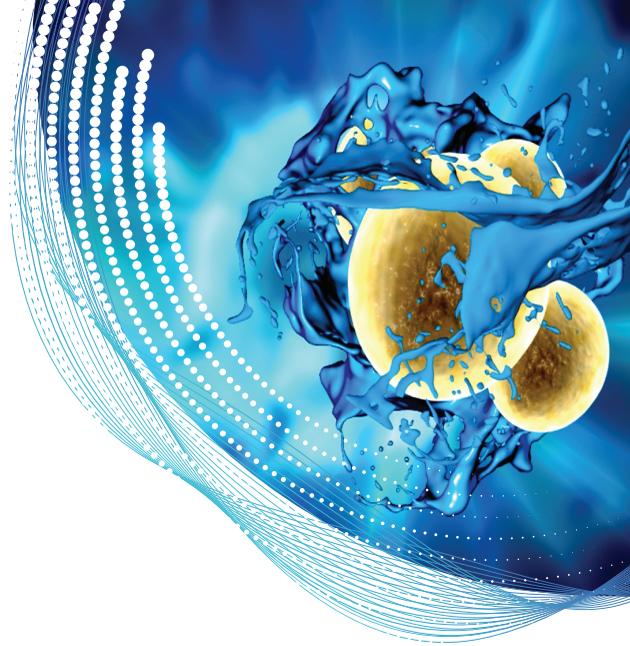
A photosensitive activation agent plus a specific wavelength of nonthermal light, causes immediate cell destruction through physical disruption of the microbial cell membrane.

Steriwave works instantly by destroying microbes upon light activation. The pathogens are unable to adapt to this treatment, eliminating the concern of antimicrobial resistance.

Safe and painless 5 minute treatment



ondine



Light Years Ahead

Vancouver General Hospital (VGH) implemented Ondine's Photodisinfection for orthopedic, spinal, and several other surgical specialties to experience compelling results:

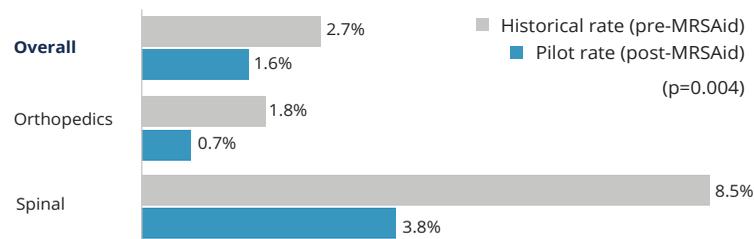
- 42% Surgical Site Infection reduction
- CAD \$1.9M costs avoided + 552 bed-days saved
- 3,068 surgical patients decolonized during initial year
- 94% compliance with decolonization
- 3.7x reduction in SSI risk (P = 0.00026)

Since 2011, Steriwave has become a key component of the hospital's surgical infection control efforts that, together with NSQIP and additional surgical bundles added in the intervening years, have led to the hospital reducing its overall SSI rate to 0.6%.

Steriwave's user-friendly technology is well-received by nurses and patients alike Over 8,000 surgical patients decolonized annually

Vancouver General Hospital 1-Year Pilot Period Results*

Surgical Site Infection (SSI) Rates Significantly Reduced with MRSAid



* Bryce E, Wong T, Forrester L, et al. Nasal photodisinfection and chlorhexidine wipes decrease surgical site infections: a historical control study and propensity analysis. J Hosp Infect. 2014 Oct;88(2):89-95.

VGH sees greatest magnitude of SSI reduction & cost savings in instrumented spine surgeries**

Significant SSI Reduction - 77.8%

- Spine data gathered and analyzed from 2009 to 2017
- SSI rate reduced from 7.2% to 1.6% (p<.01)
- 53 fewer SSI cases per year (average)
- CAD \$4.24M annual cost savings
- 18 patients needed to treat to avoid one infection (NNT)
- Use of photodisinfection was not associated with any additional adverse events

** Banaszek D, Inglis T, Wong T, Street J. Efficacy and Cost-Effectiveness of Photodynamic Therapy in Prevention of Surgical Site Infection. Paper presented at: 19th Annual Scientific Conference of the Canadian Spine Society; February 27, 2019; Toronto, ON.

www.ondinebio.com

Steriwave ND is also marketed under the MRSAid brand name in Canada and UK.
Not available for sale in the US