

Innovation Academy 2013

With the kind support of

SARAYA

Innovation Academy 2013 - 1st Prize: Elizabeth Bryce (Canada)

Innovation Academy Update on A Novel Immediate Pre-Operative Decolonization Strategy Reduces Surgical Site Infections



We are delighted to update you on what the ICPIP Innovation Academy award and process has meant to our work over the eighteen months. Following the award, the use of nasal photodisinfection and chlorhexidine skin wipes immediately pre-operatively received considerable provincial and even national attention. Subsequently, the provincial government of Alberta reviewed our data, corroborated our statistical methods and we were then asked to present our findings in the major medical centers in that province's two major cities. The independent statistical analysis by the Alberta government strengthened the publication describing our work which was accepted for publication by the Journal of Hospital Infection (attached). We were also asked to showcase the photodisinfection technology at the October 2013 International Women's Forum World Leadership Conference which is an international assembly of preeminent women across careers, cultures and continents. The work has been presented by invitation at Medical Grand Rounds and other symposia both locally and internationally (attached).

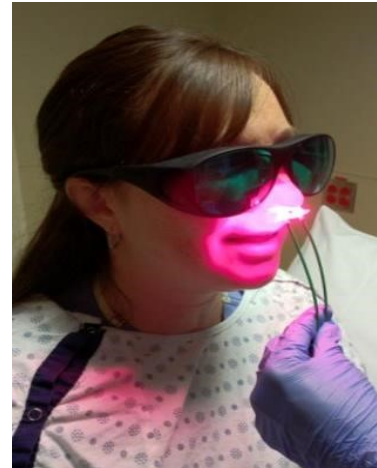
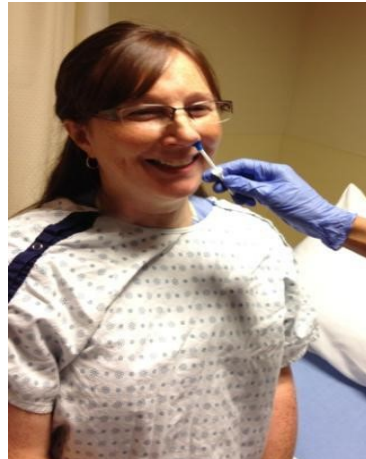
We have used part of the funding to host a multidisciplinary forum to explore future possibilities for clinical use of photodisinfection (attached). This has led to a number of

proposals which we are currently reviewing and prioritizing as to feasibility with the remaining funds. In the interim, the technology has been implemented at the University of British Columbia Hospital, is under consideration at two sister facilities, and is being implemented in a facility in another health region in British Columbia. The provincial government is exploring the possibility of funding the technology at other sites as part of a feasibility and efficacy assessment and, because it is a Vancouver-based company, this has been discussed in our legislative assembly (attached). The use of photodisinfection for management of chronic sinusitis is being evaluated both locally and in the province of Quebec and the small series to date has demonstrated clinical efficacy. We are currently working on an article describing the duration of effectiveness in eradicating *Staphylococcus aureus* using nasal photodisinfection.

Finally, we will be offering a bursary of \$1,000 for medical or surgical residents interested in pursuing a project using nasal photodisinfection. In recognition of the commitment of nursing to this project, a bursary of \$500 will be offered for nursing staff to attend a surgical conference of their choice. We are honoured and grateful to receive the award. The Innovation Academy platform has certainly contributed to the acceptance and development of this technology. The experience of presenting and advocating for this new technology in Geneva was invaluable.

Sincerely,

Dr. Elizabeth Bryce on behalf of the
Vancouver General Photodisinfection Study Group



This novel surgical pre-operative decolonization program using (A) chlorhexidine wipes (SAGE™) and (B +C) intranasal MRSAid™ photodisinfection decreased institutional surgical site infection rates over the project period. This has been sustained for the last two years. [Nasal photodisinfection and chlorhexidine wipes decrease surgical site infections: a historical control study and propensity analysis.](#) Bryce E, Wong T, Forrester L, Masri B, Jeske D, Barr K, Errico S, Roscoe D.J Hosp Infect. 2014 Oct;88(2):89-95.

Innovation Academy 2013 – 2nd Prize: Thierry Pelet (Switzerland)



Innovation Academy 2013 – 3rd Prize: Walter Zingg (Switzerland)



Innovation Academy 2013 – 4th Prize: Antoine Andreumont (France)



Innovation Academy 2013 – 5th Prize: James Salkeld (United Kingdom)

