Lockington, Elliott (SPAC/PSPC)

From: Paul Ryce <paul.ryce@xenexinternational.com>
Sent: March 24, 2020 3:08 PM
To: Device Licensing / Homologation Instruments (HC/SC)
Cc: Parmar, Dovejot (SPAC/PSPC)
Subject: Xenex UV-C Disinfection Devices
Attachments: XENEX COVID-19 Protocol (1).pdf; Xenex Device Operator Manual.pdf; Using the Xenex POD.pdf; Xenex Summary of Studies - 950-0007-03 (1).pdf

Hello, I will try and keep this email as condensed as possible, it is my utmost priority to be available to discuss the science of our technology and our ability to help fight the transmission of **COVID-19 in Canada**.

Who is Xenex UV-C Disinfection Services LLC and our UV-C Device?:

- Xenex UV-C Disinfection Services LLC is the world's leader in the manufacturing of advanced UV-C disinfection device and services.
- Our devices are deployed in over 600 hospitals (including Canada) and use **broad spectrum high intensity light** to rapidly deactivate bacteria and viruses on all ***HIGH TOUCH SURFACES*** in short 5 minute cycles
- This technology has been proven in multiple peer-reviewed studies to reduce infection rates, and is also **tested against *MERS-CoB, a surrogate for COVID-19***.
- www.xenex.com

How does it work?:

- Pathogens are vulnerable to UV-C light damage at different wavelengths depending on the organism, Unlike Mercury vapor UV which is limited to a single wavelength of UV-C at 253.7nm. Xenex SureStrike 360 technology powered by Pulsed Xenon ultraviolet light is DIFFERENT!
- It is the only technology with an extensive range of germicidal UV (200-315nm) that includes both UV-B (280-315nm) and UV-C (200-280nm).
- This extended range delivers a germicidal intensity that penetrates the cell walls of microorganisms, the DNA, RNA and proteins inside the microorganism absorb this intense UV-C energy and causes irreparable damage. That is what makes our high Intensity Pulsed Xenon ultraviolet light so extremely fast and effective at reducing microbial load on surfaces.

Combining the ease of operating the device with the 5-minute cycle time we minimize the labour impact, quickly allowing for utilization of rooms and equipment such as Ventilators (Xenex POD) after disinfection.

Current Users in Canada:

1. Mackenzie Health - Richmond Hill Ontario (used to disinfect area two recent positive cases of COVID-19 were assessed)
2. University Hospital - London Ontario
3. Victoria Hospital - London Ontario

4. Fraser Health Authority - 3 devices over 5 hospitals (Petra Welsh Director Infection Control FHA can assist with questions related to their utilization 604-807-6416)

Please see attached information. Additional technical and detailed Peer-Reviewed outcome studies are available if required.

Paul Ryce
Business Development
Xenex International
paul.ryce@xenexinternational
289-981-9662