



BerryConsultingGroup
SOLUTIONS THAT FIT

GREEN TAGGING™

Anti-Bacterial Cleansing solutions (ABC's) by BCG-Green Tagging™

Operationally valuable for Dental Offices, Labs, Day Care Centres, Schools and School Buses, Fitness Centres – Any area where interaction with public take place

CASE STUDY – DENTAL OFFICE PRACTICE

Background:

Fox Dental a Scarborough, Ontario based Dental practice have been providing a full range of dental services for over 30 years. The practice provides general dentistry as well as cosmetic and implant services. The practice also provides for child dentistry as well.

The challenge:

Both Health Canada and the Provincial Health authorities have been concerned with the ongoing need to maintain healthy and pristine environments within the Dental practices across Canada. Many regulations have been developed in particular where there are instruments entering the mouth and the working areas within the Doctors rooms and hygienists facilities.

With the ever increasing level of surface transmittable bacteria Dr. Fox and his staff were seeking a reliable non-toxic approach to assuring that the work environment was as safe as possible and that bacteria surface levels be as low as possible. They had been using a process that worked to keep levels lower than was required, however they wanted to exceed their own expectations so that their patients would be assured that the environment was as safe as possible.

The Fox Dental practice engaged BCG - Green Tagging™ to implement a trial that would be tested and assessed using up to date measurement equipment from 3M. The Anti-Bacterial Cleansing solutions (ABC's ®) were introduced in October of 2017.

The process was integrated into the ongoing cleansing processes already in use by the Dr. and the Hygienist staff. The key indicator would be the reduction of Reflective Light Units (levels of contamination on surfaces) with an objective of keeping all areas with particular emphasis on touch points such as handles, chair arms, colanders, sinks, taps and door knobs in a bacteria reduced state. These surface points are continuously abrasion impacted and must be sealed and maintained on a patient by patient basis to avoid transmission of bacteria.

Berry Consulting Group – 36 Northview Ave, Toronto, ON M1N 1W1

BCG-GREEN TAGGING™ - Authorized Distributor – Nano Surface Protect/Seal/Shine Products

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The solution:

The ABC's® process was one that integrated Surface sealant technology, new state of the art electrostatic infusion and on-going utilization of a re-sealant infused with a non-toxic cleaning solution and wiped with anti-bacterial dry toweling. The spraying of this re-sealant and cleaning solution being wiped with the dry towel is far more effective than that of wet towels due to the fact that it applies a level of anti-bacterial material on the surfaces wiped and removes any weakened or lingering bacteria or pathogen whereas wet toweling sometimes moves the pathogen to a neutral corner to await the weakening of the anti-bacterial material and continues to grow and infect.

The process is an additive to the existing cleaning regimes that are ordinarily undertaken by all hygienists and Drs. The steps are quite simple to implement and the solution has been designed to limit the costs while increasing the effectiveness of the process, it can be done by the office staff with limited training required.

The process follows a logic stepped approach,

- 1) Thoroughly clean the practice offices (generally done by a contracted cleaning Co.)
- 2) Using the V-Design Electrostatic sprayer – tank 1, mist on a non-toxic sealant across all areas of the Dr. & hygienist patient rooms, reception and waiting rooms, with the Surface Sealant from the “neck down” within all rooms.
- 3) Using the V-Design Electrostatic sprayer – tank 2 mist on a recommended anti-bacterial pray and repeat steps one and two bi-monthly or monthly dependent on surface \ readings.
- 4) After each patient interaction mist on a proprietary 2in1 sealant and cleaner wipe down all touch points with the dry anti-bacterial infused towel and repeat at beginning of the day.

THE RESULTS

The Fox Dental practice saw surface bacteria loads reduced ten-fold and maintained throughout the trial period. The readings were reduced to 2 digit levels verses in some cases in the initial assessment 3 digit and 4 digit levels. The acceptable level was established at <250 parts per and confirmed with the use of the 3M ATP Luminometer Surface Assessment system. This measurement for surface contamination is used in major hospitals and health care facilities across Canada.



Dr. Allan Fox –Signature

May 30 2019

Date

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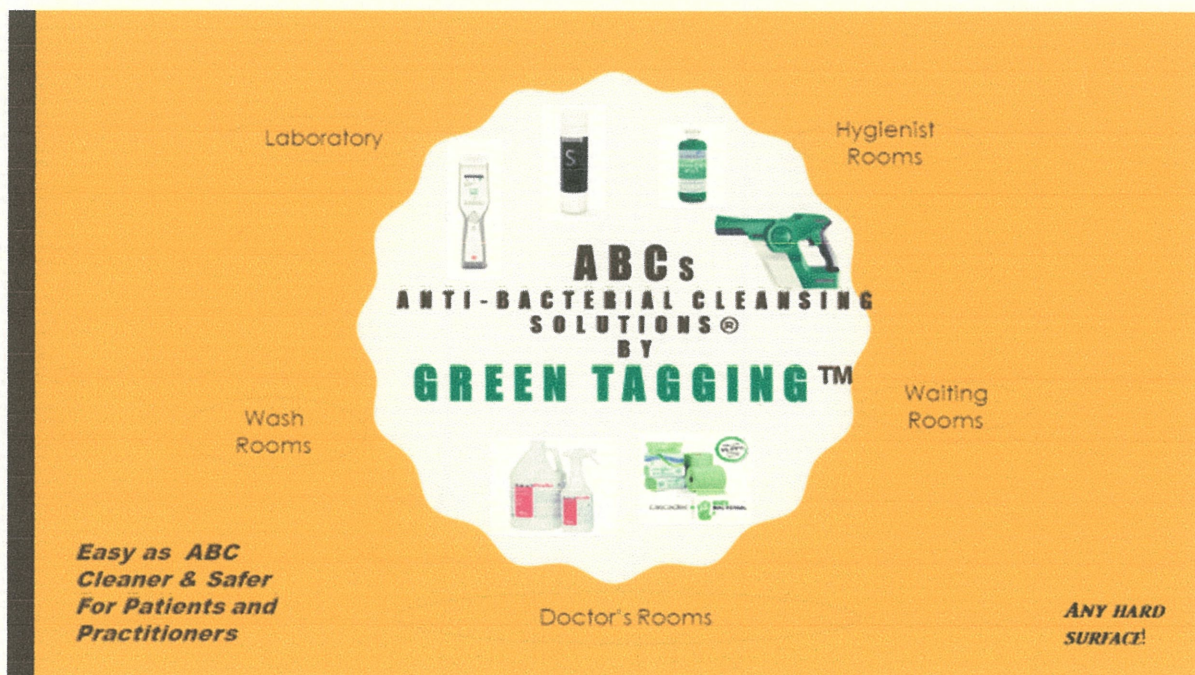
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THE COST TO IMPLEMENT

The cost of maintaining these levels will vary dependent on the size of the practice and the seasonal need to be more vigilant. We estimate that it will be approximately \$4,000.00 in capital for electrostatic sprayers, 3M testing systems, hand held 360 sprayers, and these costs can be deemed capital expenditures over a three year period and approximately \$3500.00 annually for sealant and anti-bacterial spray along with ATP swab packets to assess the surface bacterial loads. What is important regarding the measurement step is that the facility can post their scores for patient or client assessment.

Learn more about the process that can be implemented across multiple sectors see an example of the process being introduced into school systems.



For those organizations that want to ensure the most up to date and effective process against transmittable bacteria such as flus, E coli, Staphylococcus aureus and other highly contagious contaminants please contact Greentagging.ca for further information on how you can move forward to protect your practitioners and patients, students or children, customers and clients.

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