



## Report on the Effectiveness of Antimicrobial Medications in Treating Multiple Antibiotic Resistant Coagulase Negative Staphylococcus (MARCoNS) and MRSA Hopkinton Drug, Hopkinton, MA

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### **Introduction:**

Chronic Inflammatory Response Syndrome (CIRS) describes a constellation of symptoms, associated laboratory findings and test results associated with biotoxin exposure in genetically susceptible individuals. First identified by Dr. Ritchie Shoemaker, M.D., his clinical research has resulted in a step-wise approach to patient care that has been demonstrated to treat and prevent symptoms in susceptible individuals.

In CIRS, MARCoNS have been found to colonize the deep nasal cavity in 80% of individuals with low MSH hormone. The pressure of MARCoNS in the nasopharynx impairs the body to re-establish normal levels of MSH. Adequate MSH is required for recovery from biotoxin induced CIRS. MARCoNS may exist in a biofilm, which makes it more difficult to treat. A deep nasal culture is obtained and sent to Microbiology Dx, Bedford, MA. If Coagulase Negative Staphylococci are present and resistant to more than one class of antibiotics, then treatment is required. (Reference: Sonia Rapport, M.D. and Margaret DiTulio, APRN, MS, MDA, excerpts from essays on Dr. Ritchie Shoemaker's protocol)

This report shows the in-vitro evaluations of both the BEG Spray and its individual components.

### **Conclusion:**

- A. The BEG solution and its components were tested against defined organisms, Staphylococcus epidermidis ATCC 35984, a strong biofilm producer (MARCoNS positive) And MRSA ATCC 1026 to establish the effectiveness of both the BEG and its individual components in solution.
- B. The EDTA 1%, Mupirocin 0.2%, Gentamicin 0.025% and the BEG Spray solution kill the MARCoNS at concentrations less than the original preparation. It appears that EDTA, Mupirocin and Gentamicin individually and combined in the BEG Spray solution Penetrate the biofilm and kill the MARCoNS.
- C. Based on these studies, patients with a Nares culture showing MARCoNS positive should be very responsive to this BEG Spray.