

Medical Device Failures from Device-Related Contaminations Are Rampant, Costly and Deadly. What If Implantable Devices Were Antimicrobial?

OrthoFuzlon® Bone Screw System with a Proprietary Silver Ion Eluting Coating Is An Antimicrobial Orthopedic Implant Approved for Sale in Europe

- **The OrthoFuzlon® Bone Screw System with a proprietary coating is one of the first antimicrobial medical devices specifically designed for orthopedics.**

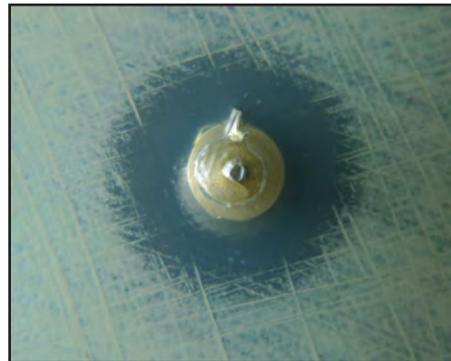
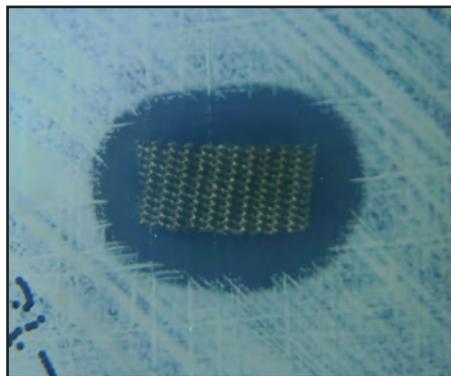
This coating is a combination of platinum and silver which, when the coating interacts with the body, causes a “galvanic” reaction wherein silver wears away gradually, creating a localized “cloud” of **silver ions** that surrounds the implanted device and is designed to be a deterrent to bacterial colonization.

- **There is a significant clinical need to prevent bacteria from contaminating medical devices.** If the surgical site or the medical device is contaminated during implantation, postoperative complications could compromise the patient after surgery. Consequently, antimicrobial medical devices can affect the needs to reduce postoperative morbidity and potential mortality, which could lead to a reduction of complications resulting in cost-savings across numerous specialties.

- **‘Bundled Payments for Care Improvement’ (BPCI) may be a dramatic driving force for adoption of this technology.** CMS’s BPCI initiative went into effect July 2016 and is potentially great news for Silver Bullet and Healthcare Providers. Traditionally, Medicare has made separate payments to providers for each of the *individual* services furnished to patients for a single illness or course of treatment that includes complications. This is changing. Now the Healthcare Provider is responsible for managing the costs associated with post-procedure complications.

- **This proprietary platform has a potential pipeline of products.** Initial application of our technology is being used on the OrthoFuzlon Antimicrobial Bone Screw System. In addition, other products may include dental implants, defibrillators and pacemakers and others.

Preventing Medical Device Failures from Device-Related Contaminations



The proprietary coating is designed to create a large zone of inhibition around implantable medical devices such as orthopedic bone screws.

What the Experts Are Saying about the Disruptive Antimicrobial Technology Platform from Silver Bullet Therapeutics



Stephen Hochshuler, MD
Co-Founder, Texas Back Institute;
Chairman, TBI Holdings;
Scientific Advisory Board, Silver Bullet

“What impresses me about this coating is that it is not a drug treatment, but rather a localized prophylactic approach designed to create a zone of inhibition around an implanted medical device. This is likely to have a game-changing effect on how we fight surgical infections.”



Bohdan Chopko, MD, PhD
Clinical Associate Professor of Neurosurgery, Stanford Medicine;
Co-Founder, Silver Bullet

“Antimicrobial-coated implantable medical devices are likely to be the next big thing in the surgical suite. A technology that is designed to enhance patient safety while simultaneously helping to control costs is obviously a big step forward.”



John D. Barr, MD
Professor of Radiology and Neurological Surgery, UT Southwestern Medical Center; Board of Directors, Silver Bullet

“The incidence of resistant medical device-related infections is climbing. Certainly, the prevention of device failures from device-related infections would benefit patients as well as the entire healthcare system.”