Study shows that coating also can prevent thrombosis

A laboratory study, recently published in the Journal of Biomedical Material, by scientists at Karolinska Institutet and Bactiguard, shows that Bactiguard's coating can reduce the risk of a thrombosis.

A previous clinical study shows that Bactiguard's Infection Protection central venous catheters reduce the number of bloodstream infections by 50 percent. In this study it was also observed that the coating, applied to the surface, also can prevent thrombosis.

"The cooperation between the academy, healthcare and industry contribute to increased possibilities for science within biomaterials and blood compatibility. In this case it has also contributed to product development, which is important to combat healthcare associated infections", says Håkan Wallén at Department of Clinical Sciences Danderyd Hospital at Karolinska Karolinska Institutet.

The study aims to develop and optimize Bactiguard's coating for application on central venous catheters and has been done in cooperation with Kliniskt Forskningscentrum Norr at Karolinska Institutet.

"*We are surprised that we after several laboratory tests identified that the coating not only is efficient against infections but also can prevent thrombosis, i.e. thrombus, which is a very serious condition and can cause the patient to suffer a heart attack or stroke,* says Javier Sanchez, scientist at Bactiguard.

Healthcare associated infections is a large global problem, affecting about 6 million people, in the US and EU only. About 60 percent of all infections are caused by bacterial growth on medical devices such as catheters. A catheter associated bloodstream infection is one of the most serious and life-threatening infection.

The result of the laboratory study has now been published in the Journal of Biomedical Material, Part B: Applied materials, which is an interdisciplinary journal aimed at specialists in biomaterials, which designs, develops, produces and applies biomaterials and medical devices.

Read the entire study http://onlinelibrary.wiley.com/doi/10.1002/jbm.b.33403/abstract

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About Bactiguard
Bactiguard is a Swedish medtech company with a global presence, offering a solution that prevents healthcare associated infections caused by medical devices. By preventing infections, we contribute to a reduced use of antibiotics and the spread of multi-resistant bacteria, which is a growing problem worldwide. We save lives, increase patient safety and significantly reduce the cost for the healthcare and society. Our technology is well-proven, safe and tissue friendly and consist of a thin layer of noble metals that prevents bacterial growth. The coating can be applied on almost all medical devices. Bactiguard-coated urinary catheters are market leading in the US and Japan and the company has also its own product portfolio consisting of foley catheters, central venous catheters and endotrachealtubes. Bactiguard is a growth company, focused on markets in Europe, Middle East, Asia and Latin America. The company has about 70 employees worldwide, mainly at the headquarters in Stockholm and the production facility in Malaysia and is listed on Nasdaq Stockholm. Read more about Bactiguard at www.bactiguard.com