

# 23<sup>rd</sup> American World Dentistry Congress

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## Prevention of peri-implant disease by design and protocol

The incidence of prosthetic related peri-implant disease is on the rise. Abutment manufacturers must comply with Government and ISO Standards in order to sell their products in North America. These standards assume that the dentist will install these abutments according to manufacturer's specifications and thus optimize the implant-abutment connection. The current screw-in prosthesis installation systems make it unlikely that dentists can consistently comply with these regulations. The basis of the problem rests in the fact that all dental models are inaccurate, and thus the prosthesis made to fit a dental model is also inaccurate. The screw-in installation technique dictates that the abutments are to be attached to the prosthesis on the dental model, before being installed into the mouth. The abutments are thus constrained by the inaccurate prosthesis, and their fit onto their respective dental implants cannot be optimized. It exposes our patients to the known "technique related" risk factor for peri-implant disease, known as the implant-abutment misfit or macrogap. Applying an intra-oral cementation step to the screw-in technique, can solve this macrogap and misfit problem. The technique involves the use of "well designed" custom abutments, prostheses and supporting techniques that are sensitive to the Gingival Effects™ and precludes cement voids, overhangs and open margins.

## Biography

Svoboda obtained a Bachelor of Science at the University of Toronto & then proceeded to earn a PhD and a Licence to Practice Dentistry from the Faculty of Dentistry at the same University. In 1982 he began his private Practice in Brampton as a General Dentist. Dr. Svoboda provided a wide range of services for his patients including tooth repair, removal & replacement with fixed bridges and dentures. In 1990 Dr. Svoboda started to include Dental Implants in his treatments. Today, Dr. Svoboda devotes much of his time, providing treatment involving dental Implants for his Patients and Patients referred to him by other professionals. Implant treatment involves Special Diagnostic, Surgical & Prosthetic components. Dr. Svoboda usually provides all Phases of Implant Treatment for his patients in his office. Dr. Svoboda is a longstanding member of many local dental organizations, including the Canadian Dental Association, Ontario Dental Association and Halton-Peel Dental Association.

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