28 MAR 2019

Probiotics for Dental Health

Wim Teughels
DDS, Cert Perio, PhD

Professor Wim Teughels graduated in 2000 as a dentist at the Catholic University Leuven (KULeuven) in Belgium. At the same university, he obtained in 2006 the degree of specialist in Periodontology and he defended successfully his PhD thesis entitled "Microbial Interactions Involved in Bacterial Colonization of Epithelial Cells". He also received a "European Federation of Periodontology (EFP) certificate in Periodontology". In 2007, he was a visiting researcher at the University of California at Los Angeles (UCLA) and he was appointed assistant professor at the Faculty of Medicine of the Catholic University Leuven (KULeuven). His teaching obligations consist of a variety of subjects within the field of Periodontology and Human Anatomy. Currently, he works as an associate professor at the Catholic University of Leuven (KULeuven) and as a post-doctoral researcher for the Fund for Scientific Research Flanders.
His research focuses on Periodontology and oral microbiology with a special emphasis on bacterial adhesion, microbial interactions, antimicrobials and probiotics. His research work has been funded by grants of the KULeuven, Fund for Scientific Research Flanders, NIH (NIDCR) and different companies. This has led to more than 60 publications in international journals and more than 10 chapters in books. He received 5 national and 3 international awards and is frequently invited both nationally as internationally for lectures regarding the concept of "probiotics". In 2012, Prof. Teughels became an associate editor for the Journal of Periodontal Research and an associate editor for the "Carranza's Clinical Periodontology" textbook.

Evening Lecture
6:30 - 9:00pm

$99 (dentists)

ODQ CE **3**
CERP CE **3**

Program Summary

The aim of this lecture is to introduce the concept of pro- and pre-biotics in oral healthcare.

Objectives:

- To provide the rationale behind pro-microbial therapies
- To clarify the modes of action of commensal/beneficial/probiotic bacteria
- To discuss the current literature in regards to probiotic therapies in oral healthcare
- To give an insight in how this field can further evolve in the future
- To clarify clinical evidence of probiotics in perio: prevention of periodontitis, adjunct to non-surgical therapy, pregnancy gingivitis, peri-implant diseases, tooth decay and diabetes associated gingivitis

Outcomes:

At the end of this lecture you will be able to:

- Give an interpretation of the current literature
- Make evidence based decisions on why should we go from an anti-microbial to a pro-microbial approach
- Understand how probiotics work and to use them in clinical practice
- Analyze what are the shown clinical effects of probiotics in periodontal diseases, peri-implantitis and tooth decay.

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