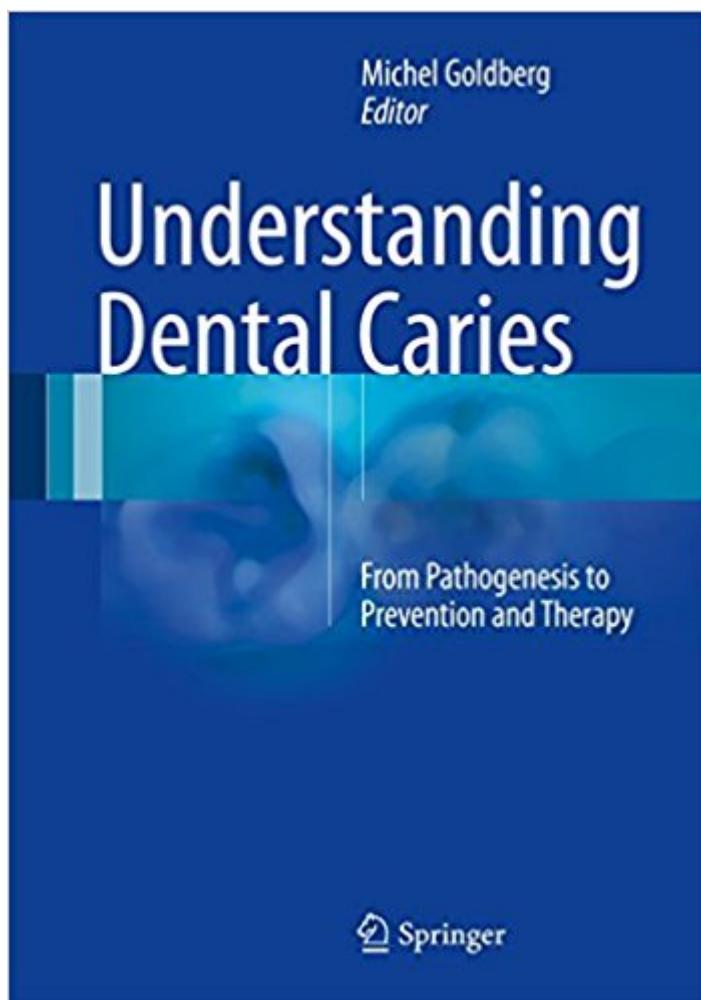


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# Understanding Dental Caries: From Pathogenesis To Prevention And Therapy



## **Synopsis**

â€¢ This book thoroughly explains the biological background of dental caries and the formation of carious lesions, providing the reader with a sound basis for understanding the role and effectiveness of different therapeutic and preventive measures. Detailed information is presented on pathogenesis, ultrastructure, and diagnosis. All aspects of the carious process are covered, including development of the initial carious lesion limited to the enamel, evolution of the enamel carious lesion toward a dentin carious lesion, superficial and deep dentin lesions, and cervical erosions. Strategies for prevention and dental tissue regeneration are elaborated and both conventional therapies and minimally invasive and non-invasive treatment approaches are discussed. A separate section is devoted to dental fluorosis and the use of fluoridation and remineralisation agents. This scientifically focused and clinically relevant book, written by acknowledged experts in the field, will appeal to dentists seeking to extend their knowledge as well as to researchers, dental students, and other dental professionals.

## **Book Information**

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Michel Goldberg is Professor Emeritus at the University of Paris V (University RenÃ© Descartes) and a member of the INSERM UMR-S1124. He has served on many committees for INSERM and for the International Association for Dental Research (IADR). Dr. Goldberg is a Past President of the IADR Mineralized Tissue Group and the Pulp Biology Group. He has been a member of the IADR Continental European Division since 1973 and has served on their board in numerous capacities, through to President and Past President. During his career, Dr. Goldberg has sat on scientific advisory boards for many international dental conferences. He was the Scientific President for the Annual Congress of the Association Dentaire Francaise (ADF) in 1992 and 2000 and presided over the annual ADF congress in 2003. He is a widely published author and co-author, with more than 200 scientific articles to his name as well as 19 books, including most recently the Springer book *Dental Pulp: Biology, Pathology, and Regenerative Therapies* (ISBN 978-3-642-55160-4). He is a member of the editorial board of the *Journal of Dental Research* and a member of the board of advisory editors for numerous publications. Dr. Goldberg is a recipient of the Chevalier Ordre National du MÃ©rite; he was also awarded the Distinguished Service Award from the IADR in 2003 and the IADR's Distinguished Scientist Award for Pulp Biology Research in 2006.

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