A timely issue increasingly affecting the oral health balance

Root Caries: From Prevalence to Therapy

Editor: Marcela Rocha de Olivera Carrilho

Case reports and clinical trials conducted in various countries show, more and more frequently, a positive correlation between the presence of original teeth and prevalence of root caries in older age. Because this is a global trend, it is likely that the predicted increase in the worldwide elderly population may soon cause a significant increase in the number of people requiring effective means of preventing and treating root surface caries.

In response to this development, a team of outstanding contributors has reviewed the most important aspects of root caries. This new volume presents their findings along with discussions of how to deal with this health issue that progressively affects oral health balance.

The chapters in this book are divided in four core parts: Epidemiology, Biological Determinants, Lesion Assessment and Features, and Preventive and Operative Therapies. The collection of state-of-the-art articles provides a broad overview and will serve as a reference for clinicians as well as scientists and, hopefully, will encourage new research.

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Caries Research publishes epidemiological, clinical, and laboratory studies in dental caries, fluorosis, erosion, and related dental diseases. Some studies build on the considerable advances already made in caries prevention, e.g., through fluoride application. Some aim to improve understanding of the increasingly important problem of dental erosion and the associated tooth wear process. Others monitor the changing pattern of caries in different populations, explore improved methods of diagnosis, or evaluate methods of prevention or treatment. Studies using genetic methods to identify human genes or mutations associated with caries prevalence are welcome as are manuscripts using modern high-throughput sequencing methods to characterise microbial biofilms associated with oral health and active caries. The broad coverage of innovative research into dental caries is unique and has given the journal an outstanding international reputation as an indispensable source for both basic scientists and clinicians engaged in understanding, investigating, and preventing dental diseases.

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