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Dental Erosion
From Diagnosis to Therapy

Volume Editor

Adrian Lussi Bern

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Dental Erosion: A challenge for the 21st century! This monograph offers a guide towards better oral health in the future. Erosive tooth wear is a multifactorial condition of growing concern to the clinician and the subject of extensive research – a view supported by the literature and impressions from many international conferences over recent decades. However, until now, no attempt has been made to collect and organize the available information in a single book. This volume of *Monographs in Oral Science* is the first book dealing solely with erosive tooth wear.

The thirteen chapters of the book present a broad spectrum of views on dental erosion, from the molecular level to behavioral aspects and trends in society. The multifactorial etiological pattern of erosive tooth wear is emphasized and is a strand connecting the different chapters of the book. It starts with the definition of erosion and describes the interaction of attrition, abrasion and erosion in tooth wear. The chapters on diagnosis of erosion, and prevalence, incidence and distribution of the condition are followed by a chapter on the chemistry of erosion. Under the heading extrinsic causes of erosion, several factors are analyzed and illustrated, amongst which are the consequences of our changing life styles and the effects of oral hygiene products and acidic medicines. The chapter on intrinsic causes of erosion focuses on gastroesophageal reflux disease and related issues. A separate chapter is devoted to dental erosion in children. Methods of assessment of dental erosion are presented and critically evaluated, concluding that the complex nature of erosive mineral loss and dissolution might not readily be encompassed by a single technique: a more comprehensive approach combining several different methods is recommended. The last three chapters cover dentinal hypersensitivity, risk
assessment and preventive measures, and, finally, restorative options for erosive lesions.

Each chapter has a comprehensive list of references, encouraging the reader to consult the original articles for more details. Instructive intraoral photographs illustrate the text and guide the reader. An unusual step is that every chapter was reviewed not only by the editor, but also by two external reviewers, ensuring the highest of standards.

This monograph describes current concepts of dental erosion and presents an overview of the literature, with special reference to clinically relevant implications. It is not only suitable for faculty members and researchers, but may also be recommended for dental students, practitioners and other dental professionals who are committed to preventing and treating dental erosion.

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