

Jan Lindhe

Textbook of
Clinical
Perio-
dontology

2nd edition

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Munksgaard

Textbook of Clinical Periodontology

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B. Bergman, Anna-Lisa Björn, J. Egelberg, P.A. Knudsen, M. Listgarten, D. Lundgren, S.W. Meitner, P. Milleding, B. Moskow, R. Page, A.M. Polson, H.E. Schroeder, K.A. Selvig, E. Strandman, R.E. Walton, Jytte Westergaard, Jens Waerhaug, H.A. Zander.

Foreword 1st Edition

Upon reading this book - and as I sit down pen in hand, to introduce the reader to this text on Periodontology - I become literally overwhelmed by the memory of Dr. Jens Waerhaug, the father of modern periodontology, my tutor and friend. Thus, this could easily become an emotional outlet for personal affection and devotion on the part of his first student; feelings which in the reserved climate of Scandinavian collegiality were never adequately expressed while he was alive. But it will not. The man, the friend, had passed on, but the scientist, the revolutionary, the genius is very much alive in every chapter of this treatise on periodontal diseases and their treatment and prevention.

It all began with the publishing of Jens Waerhaug's dissertation "*The Gingival Pocket*" in 1952, through which he laid the intellectual foundation for an entirely new era in periodontology. This was followed by a rapid succession of experiments, designed to answer questions one by one, reflecting a delightfully imaginative mind and profound clinical perception. In this way, step by step, he unveiled the mysteries surrounding periodontal diseases.

The reaction was - reactionary, especially among authoritarians. To others of us, the novelty of the dynamic approach to the experiments and the clarity of the clinical trials opened a large window on to a realm never heretofore seen. The Scandinavian school of periodontal research was born.

Some 30 years have elapsed, but as this text bears forceful witness to, the torch has been passed on.

The reader will find that this book is somewhat traditional in its infrastructure and layout. Its uniqueness lies in the consistency of the basic paradigm from one chapter to the next

and in the weight of scientific evidence brought to bear. This book affords both an intelligent synthesis and an excellent overview of the progress in the science and practicalities of modern periodontology and brings together a large amount of current experimental data compiled by the editor and the authors themselves in the context of their own clinical experience.

The problem of periodontal diseases and their clinical management are not solved. However, the authors are all committed to the idea that at the present stage of development, there is enough knowledge to formulate clinical concepts for the practical management of these diseases. The strong message that emerges is that, although the technology may not be ideal, periodontal diseases can today be prevented and treated.

At a time of an information explosion in dental literature, this text is a most refreshing example of how scientific advances can be communicated for the clinician's comprehension and use.

The style is bold without being reckless; it is provocative without being presumptuous. The word "proper" is used profusely throughout the chapters. They still make proper reading, and I propose to recommend this book for general practitioners and specialists, students and teachers, clinicians and scientists, and for anyone else interested in the transfer of basic and clinical science to patient management in periodontal diseases.

Harald Løe, D.D.S., Dr. Odont., Director, National Institute of Dental Research, National Institutes of Health, Bethesda, Maryland 20205, U.S.A

March 1983

Preface 1st Edition

This **Textbook of Clinical Periodontology** was prepared with the needs of undergraduated and graduate students of dentistry in mind. It is our hope, however, that the text may be of interest and use also to general practitioners and dentists with a special interest in periodontology.

This book is divided into two parts. The first part deals with the biology of the periodontal tissues and the epidemiology, etiology and pathogenesis of periodontal disease. Special emphasis has been given to bacterial plaque as the main etiologic factor in periodontal disease and to the pathogenesis of various forms of plaque associated periodontal disorders. In two separate chapters material is presented illustrating how systemic disorders may influence periodontal disease and how the periodontal tissues may become the seat of tumors of both benign and malignant character.

The second part of the book deals with the clinical management of periodontal disease; examination procedures, diagnosis, treatment planning, treatment and maintenance therapy. It was our intention to create an analytical and critical text describing the present state of clinical periodontology. Particular efforts have been made to distinguish between facts obtained from pertinent research and unsubstantiated assumptions regarding the effect of different treatment procedures often utilized in periodontal therapy.

Textbook of Clinical Periodontology is the result of the inspiring collaboration, loyalty and never failing efforts of many past and present members and close friends of the staff of the Department of Periodontology, School of Den-

tistry, University of Gothenburg, Sweden. During various periods of time we have had the privilege of the cooperation of research workers and clinicians from all over the world. I would not like to complete this preface without expressing our sincere appreciation to Drs. Hilding Björn (University of Lund), Harald Löe (NIDR, Bethesda), Helmut Zander (Eastman Dental Center, Rochester), Hubert Schroeder (University of Zurich), Sigmund Socransky (Forsyth Dental Center, Boston), Max Listgarten (University of Pennsylvania) and Roy Page (University of Washington) for introducing us to and guiding our work in different fields of periodontal research.

We should also like to express our sincere gratitude to Dr. Tord Berglundh who was responsible not only for editing the photographic material but also for producing most of the drawings and schematic illustrations included in the various chapters of this book.

Last but not least it is a privilege to thank the publisher and the editorial and technical staff of Munksgaard International Publishers for their generosity and their skill in handling the printing and reproduction of our material.

The text was completed in the early Fall of 1982. Research findings published in the literature since then have added to our knowledge and understanding of periodontal disease but have not, in any significant way, altered or invalidated the conclusions made in the various chapters of this book.

Gothenburg, March 1983

Jan Lindhe

Preface 2nd Edition

It is with great pleasure and pride we present the second and revised edition of **Textbook of Clinical Periodontology**. In the five years that have elapsed since the publishing of the first edition of this text many advances have occurred in *Periodontology*. Both basic science and clinical research have provided information that have enabled the clinician to better understand the function of the normal periodontium, the etiology of various diseases in the periodontium, pathogenic mechanisms through which the periodontal tissues may be destroyed and through which the function of the periodontium may be jeopardized. New therapeutic procedures have been introduced and their efficacy tested in clinican trials.

Much of this new material has been incorporated in this revised edition of **Textbook of**

Clinical Periodontology. Several chapters have been added and several new authors have made important contributions. No doubt the efforts of this team of authors have improved the quality of **Textbook of Clinical Periodontology**.

This textbook is intended for undergraduate and graduate students of dentistry as well as for practicing dentists.

The text was completed in the spring of 1988. Findings published since then have added to our knowledge of periodontal disease, but not altered or invalidated the conclusions made in the various chapters of this book.

Gothenburg, February 1989

Jan Lindhe

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