

Contributors

Preface

Volume 1

Part 1 Anatomy

1 Anatomy and Histology of Periodontal Tissues

Dieter D. Bosshardt, Jan Lindhe, Niklaus P. Lang, and Maurício Araújo

2 Bone as a Living Organ

Darnell Kaigler and William V. Gannobile

3 The Edentulous Ridge

Maurício Araújo and Jan Lindhe

4 The Mucosa at Teeth and Implants

Jan Lindhe, Tord Berglundh, Anton Sculean, and Niklaus P. Lang

5 Osseointegration

Niklaus P. Lang, Tord Berglundh, and Dieter D. Bosshardt

Part 2 Epidemiology

6 Epidemiology of Periodontitis

Panos N. Papapanou and Ryan T. Demmer

7 Epidemiology of Peri-Implant Diseases

Jan Derks, Cristiano Tomasi, and Tord Berglundh

Part 3 Microbiology

8 Dental Biofilms and Calculus

Philip D. Marsh, Mariano Sanz, Niklaus P. Lang, and Dieter D. Bosshardt

9 Periodontal and Peri-Implant Infections

Mike Curtis, Lisa Heitz-Mayfield, and Mariano Sanz

Part 4 Host–Parasite Interactions

10 Pathogenesis of Gingivitis and Periodontitis

Gregory J. Seymour, Tord Berglundh, and Leonardo Trombelli

11 Systemic and Environmental Modifying Factors

Evanthia Lalla and Panos N. Papapanou

12 Genetic Susceptibility to Periodontal Disease: New Insights and Challenges

Arne S. Schaefer, Ubele van der Velden, Marja L. Laine, and Bruno G. Loos

Part 5 Trauma from Occlusion

13 Effect of Load on Periodontal and Peri-Implant Tissues

Jan Lindhe, Niklaus P. Lang, and Tord Berglundh

Part 6 Periodontal Pathology

14 Non-Plaque-Induced Gingival Diseases

Palle Holmstrup and Mats Jontell

15 Plaque-Induced Gingivitis

Leonardo Trombelli, Roberto Farina, and Dimitris N. Tatakis

16 Current Classification of Periodontitis

Panos N. Papapanou, Mariano Sanz, and Kenneth Kornman

17 Effect of Periodontal Diseases on General Health: Periodontal Medicine

Francesco D'Aiuto, Filippo Graziani, Panos N. Papapanou, and James Beck

18 Periodontitis and Systemic Diseases (Cardiovascular Disease and Diabetes): Biological Perspectives for Oral/Periodontal Implications

Alpdogan Kantarci and Hatice Hasturk

19 Abscesses, Necrotizing Lesions of the Periodontium, and Endo-Periodontal Lesions

David Herrera and Magda Feres

Part 7 Peri-implant Pathology

20 Peri-Implant Mucositis and Peri-Implantitis

Tord Berglundh, Jan Lindhe, and Niklaus P. Lang

Part 8 Tissue Regeneration

21 Periodontal Wound Healing and Regeneration

Darnell Kaigler, Giulio Rasperini, Saso Ivanovski, and William V. Giannobile

Volume 2

Part 9 Examination Protocols

22 Examination of Patients

Giovanni E. Salvi, Tord Berglundh, and Niklaus P. Lang

23 Diagnostic Imaging of the Periodontal and Implant Patient

Michael M. Bornstein, Kuofeng Hung, and Dorothea Dagassan-Berndt

24 Patient-Specific Risk Assessment for Implant Therapy

Giovanni E. Salvi and Niklaus P. Lang

Part 10 Treatment Planning Protocols

25 Treatment Planning of Patients with Periodontal Diseases

Giovanni E. Salvi, Niklaus P. Lang, and Pierpaolo Cortellini

26 Systemic Phase of Therapy

Niklaus P. Lang, Iain Chapple, Christoph A. Ramseier, and Hans-Rudolf Baur

Part 11 Initial Periodontal Therapy (Infection Control)

27 Oral Hygiene Motivation

Jeanie E. Suvan and Christoph A. Ramseier

28 Mechanical Supragingival Plaque Control

Fridus Van der Weijden and Dagmar Else Slot

29 Chemical Dental Biofilm Control

David Herrera and Jorge Serrano

30 Non-Surgical Therapy

Jan L. Wennström and Cristiano Tomasi

31 Treatment of Acute Periodontal and Endo-Periodontal Lesions

David Herrera and Magda Feres

Part 12 Additional Therapy

32 Periodontal Surgery

Mariano Sanz, Jan L. Wennström, and Filippo Graziani

33 Treatment of Furcation-Involved Teeth

Søren Jepsen, Peter Eickholz, and Luigi Nibali

34 Non-Surgical Therapy of Peri-Implant Mucositis and Peri-Implantitis

Lisa Heitz-Mayfield, Giovanni E. Salvi, and Frank Schwarz

35 Surgical Treatment of Peri-Implantitis

Tord Berglundh, Jan Derks, Niklaus P. Lang, and Jan Lindhe

36 Systemic Antibiotics in Periodontal Therapy

Magda Feres and David Herrera

37 Local Antimicrobial Delivery for the Treatment of Periodontitis and Peri-Implant Diseases

Maurizio S. Tonetti and David Herrera

Part 13 Reconstructive Therapy

38 Regenerative Periodontal Therapy

Pierpaolo Cortellini and Maurizio S. Tonetti

39 Mucogingival Therapy: Periodontal Plastic Surgery

Mariano Sanz, Jan L. Wennström, Massimo de Sanctis, and Anton Sculean

Part 14 Surgery for Implant Installation

40 Timing of Implant Placement

Christoph H.F. Hämmerle, Maurício Araújo, and Jan Lindhe

Part 15 Reconstructive Ridge Therapy

41 Ridge Augmentation Procedures

Fabio Vignoletti, Darnell Kaigler, William V. Giannobile, and Mariano Sanz

42 Maxillary Sinus Floor Augmentation

Gustavo Avila-Ortiz, Bjarni E. Pjetursson, and Niklaus P. Lang

Part 16 Occlusal and Prosthetic Therapy

43 Tooth-Supported Fixed Dental Prostheses

Jan Lindhe, Niklaus P. Lang, and Sture Nyman

44 Implant-Supported Fixed Dental Prostheses

Ronald. E. Jung, Franz J. Strauss, and Daniel S. Thoma

45 Implants in the Zone of Esthetic Priority

Rino Burkhardt, Franz J. Strauss, and Ronald. E. Jung

46 Technical Complications in Implant Dentistry

Clark M. Stanford and Lyndon F. Cooper

Part 17 Orthodontics and Periodontics

47 Tooth Movement in the Periodontally Compromised Patient

Mariano Sanz and Conchita Martin

Part 18 Supportive Care

48 Supportive Periodontal Therapy

Christoph A. Ramseier, Niklaus P. Lang, Janet Kinney, Jeanie E. Suvan, Giedrė Matulienė, and Giovanni E. Salvi

Index