



Self-Ligation in Orthodontics

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DESCRIPTION

Self-Ligation in Orthodontics is a major new text that reviews, analyses and clarifies the currently available peer-reviewed evidence on a number of applications of this technology, espousing diverse perspectives to make this a unique scientific resource on self-ligation.

The book embraces all aspects of self-ligating brackets, extending from therapeutic outcome, to biomechanics, materials, and treatment manifestations. Each chapter addresses a specific question pertinent to the properties and clinical performance of self-ligating brackets including: force and moment generation during engagement; temporal variation of force in active self-ligating brackets; periodontal considerations and oral microbiota alterations; root resorption; treatment efficiency and associated dental effects.

A work of substantial, thoughtful, and useful scholarship, *Self-Ligation in Orthodontics* will be a significant resource for clinicians and researchers in orthodontics, and related dental specialists.

- First comprehensive resource on self-ligation in orthodontics
- Surveys available peer-reviewed evidence
- Epitomizes the management of self-ligating treatment suggesting important treatment concepts and tips for the practicing clinician
- Includes diverse perspectives to provide a balanced and scholarly approach
- Richly illustrated with detailed color clinical images

ABOUT THE AUTHOR

THE EDITORS Both editors graduated from the School of Dentistry, University of Athens (Greece) and the Orthodontic postgraduate program of the Ohio State University, earning a Master's degree.

Theodore Eliades additionally holds a doctorate in biomedical materials from the University of Athens, and a PhD in biomaterials from the University of Manchester. He is an Associate Professor of Orthodontics at the Aristotle University of Thessaloniki (Greece), and affiliated with institutes in the USA and EU (Texas, Marquette, Manchester, and Bonn). His research on biomaterials has generated 85 articles, 15 chapters and 4 books, the diffusion of which into fields associated with natural and engineering sciences led to a fellowship at the Institute of Materials, Minerals and Mining, and a membership in both the Royal Society of Chemistry and the Institute of Physics. Dr Eliades is Editor-in-Chief of the forthcoming Journal of Dental Biomechanics (Sage), Associate Editor of the European Journal of Orthodontics, and the American Journal of Orthodontics and Dentofacial Orthopedics, Editorial Board member in 5, and reviewer in 20 journals.

Nikolaos Pandis completed a fellowship in Craniofacial Orthodontics at the University of Texas, Southwester Medical Center. He is currently a doctoral Fellow at the University of Bonn and enrolled in the Master of Clinical Trials program at the College of Hygiene and Tropical Medicine, University of London. He has published over 20 articles in the areas of self-ligating appliances and bonding, and is a Diplomate of the American Board of Orthodontics. Dr Pandis maintains an orthodontic practice in Corfu, Greece.

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