

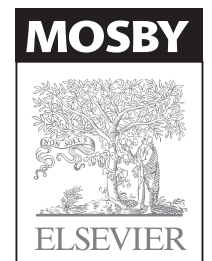
ORTHODONTIC TREATMENT OF THE CLASS II NONCOMPLIANT PATIENT

CURRENT PRINCIPLES AND TECHNIQUES

EDITED BY

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Preface

During orthodontic treatment, cooperation or compliance of the patients is a major factor for a successful treatment outcome. In order to achieve successful treatment results, patients are expected to follow the recommended regimens suggested by their orthodontists. Unfortunately, lack of patient compliance is one of the major problems in orthodontic treatment and often the clinicians have to deal with this issue almost daily. Orthodontic treatment in patients with limited compliance can, among other things, result in a longer treatment time, destruction of the teeth and periodontium, extraction of additional teeth, frustration for the patient and additional stress for the orthodontist and staff. This is the reason why a lot of effort has been directed over the years to developing noncompliance techniques.

Noncompliance approaches are a very important option for the orthodontic treatment of patients with Class II malocclusion who present with minimal or no cooperation, especially when nonextraction treatment protocols have to be utilized. Conventional orthodontic procedures usually require patient cooperation, which very often is a significant problem to overcome in order to achieve successful treatment outcomes. During the last decades a great variety of noncompliance appliances and techniques have been proposed in order to correct Class II malocclusion, either by advancing the mandible to a more forward position or by distalizing the maxillary molars into a Class I relationship.

The aim of this book is to cover the subject of noncompliance Class II orthodontic treatment in a comprehensive and critical way, presenting the principles and techniques of the most important currently available noncompliance appliances used for the treatment of Class II malocclusion, while focusing on their clinical management and effectiveness.

The book is divided into five sections, starting from the problem of compliance (Section I), describing several intermaxillary appliances (Section II), intramaxillary distalization appliances (Section III), and intramaxillary appliances with absolute anchorage (Section IV), and closing with the evidence-based knowledge on the efficacy of these appliances (Section V).

In detail, the book contains information regarding the following subjects, chapter by chapter. In Section I, Chapter 1 introduces the reader to the main aspects of the noncompliance treatment in

orthodontics, and Chapter 2 provides a classification of the non-compliance appliances used for the treatment of Class II malocclusion. In Section II, Chapter 3 presents an overview of the various currently available noncompliance intermaxillary appliances used in Class II orthodontic treatment, while Chapters 4–14 discuss in detail the current principles and the clinical management of these appliances, including the Herbst appliance, the Cantilever Bite Jumper (CBJ), the Ritto Appliance, the Mandibular Protraction Appliance, the Mandibular Anterior Repositioning Appliance (MARA), the Jasper Jumper, the Flex Developer, the Eureka Spring, the Twin Force Bite Corrector, and the Sabbagh Universal Spring (SUS). In Section III, Chapter 15 presents an overview of the various intramaxillary distalization appliances utilized for the management of Class II malocclusion, while Chapters 16–23 discuss thoroughly the current principles and the clinical management of these appliances, such as the Pendulum appliance, the Penguin Pendulum, the Distal Jet, the Keles Slider, the Jones Jig and modifications, magnets, the First Class Appliance and the Keles TPA. Section IV focuses on the intramaxillary appliances with absolute anchorage: Chapter 24 presents an overview of these appliances, Chapter 25 describes the use of implants as absolute anchorage for Class II correction, and Chapter 26 provides information concerning the use of onplants for maxillary molar distalization. The final chapter, Chapter 27 (Section IV), provides the reader with all currently available evidence concerning the clinical efficacy of the noncompliance appliances used for Class II correction.

Effort was made by the editor to invite orthodontists who are expert in each specific subject to contribute chapters to this book. Almost all the authors have either developed or introduced sophisticated appliances, or they have been actively involved in their clinical evaluation.

It is the hope of the editor that this book will provide all the background needed for the better understanding and more efficient use of the currently available noncompliance appliances and that students, faculty, and practitioners will find this book useful for the clinical management of noncompliant patients presenting with Class II malocclusion.

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Dedication

To my family for their love,
understanding and their full
support over the years

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