
Preface

Since Edward Angle, the father of modern orthodontics, introduced the edge-wise appliance, there have been a few innovative developments in the field of orthodontics. Cephalometrics and the prescription bracket system are just two of the examples of such advancements. Many different appliances have been developed and used for efficient treatment over the years. Even with newer devices, orthodontists cannot be completely free from Newton's third law: for every action has an equal and opposite reaction. Anchorage control, which is controlling the unwanted opposite reaction, is one of the crucial factors that determine the success of the treatment. Although there have been many attempts to control anchorage, it remains a challenge for orthodontists. In recent years, temporary skeletal anchorage devices (TSADs) have made anchorage control both easier and have made some tooth movements not previously possible with traditional mechanics. For these reasons, TSADs can be considered as an example of innovative development in orthodontics. There have been an overwhelming number of case reports and TSADs related researches in the last ten years. Although numerous kinds of TSADs have been used, more information is needed to understand the scientific basis of TSADs.

Because of the lack of consensus based on evidence, it has been quite difficult for clinicians to choose TSADs and establish efficient treatment strategies. Some manufacturers have made claims based on less than a scientific basis for their TSADs. This makes the decision process more difficult for the clinician. With this in mind, the authors of this book have set out to make the job less difficult.

In addition, this book is designed to bring the most up-to-date evidence-based information possible to the reader by describing new concepts, treatment mechanics and techniques for many challenging cases.

Finally, I would like to express my gratitude towards my family, friends, and teachers for supporting this project.

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