

*Book Review***Iatrogenic Effects of Orthodontic Treatment**

Decision-Making in Prevention, Diagnosis, and Treatment (2014)

Author: **Roberto Justus**

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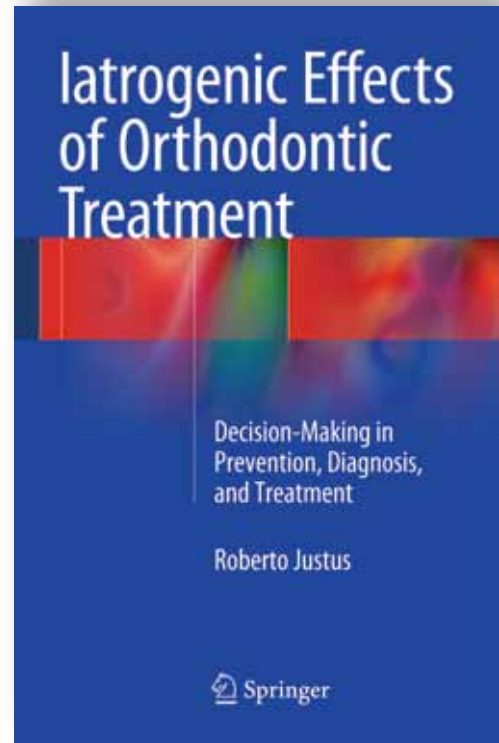
As any medical procedure, orthodontic treatment carries possible iatrogenic negative effects. They can present themselves on tooth crowns, roots and periodontal tissue. Good knowledge of the etiology and prevention is of special interest for every orthodontic clinician.

Therefore, I have anticipated with special interest Roberto Justus's book, assuming it will contain extended content of his excellent lecture held in Zagreb at the II. International Congress of Croatian Society of Orthodontics in 2014 and that it will surely be equally interesting. And truly, Roberto Justus's book brilliantly illustrates how to process systematically and with quality various problems appearing in clinical orthodontic practice from different perspectives.

The book is divided into three parts, with emphasis on the prevention of three most frequent iatrogenic problems - white spot lesions, periodontal deterioration, and external apical root resorption (EARR). All these are examples of health problems associated with orthodontic treatment.

The first part, Prevention of white spot lesions, explains how to minimize the risk of enamel decalcifications as a result of orthodontic treatment, with a novel method of deproteinization of the enamel surface.

Facial movement of the teeth decreases the buccolingual thickness of the gingival tissue, and if gingiva is thin and scalloped, orthodontic proclination of the lower incisors may cause gingival recession or dehiscence. The second part,



Prevention of periodontal deterioration/damage, discusses how to avoid lower incisor proclination and describes indications for different extractions.

In the third part, the reader will find out why EARR occurs, how to minimize it, and what to do when EARR is detected.

The book is written fluently and its exceptional systematic nature is supported by a division of its chapters into a larger amount of sub-chapters dealing with thematic units, which contributes to the its organization. Also, the book contains many high-quality photographs of clinical statuses, radiographic images and drawings, which enable the reader to visualize the problem more easily.

Complications and iatrogenic effects of orthodontic treatment are not a common topic in orthodontics textbooks, nor are they given enough attention in professional literature. Books that thoroughly deal with the mistakes that can occur during orthodontic treatment are even less common, which is why this book has special clinical value. Therefore, I strongly recommend *Iatrogenic Effects of Orthodontic Treatment* to all orthodontists and postgraduate students of orthodontics as a means of gaining new knowledge and preventing complications in their clinical practice.