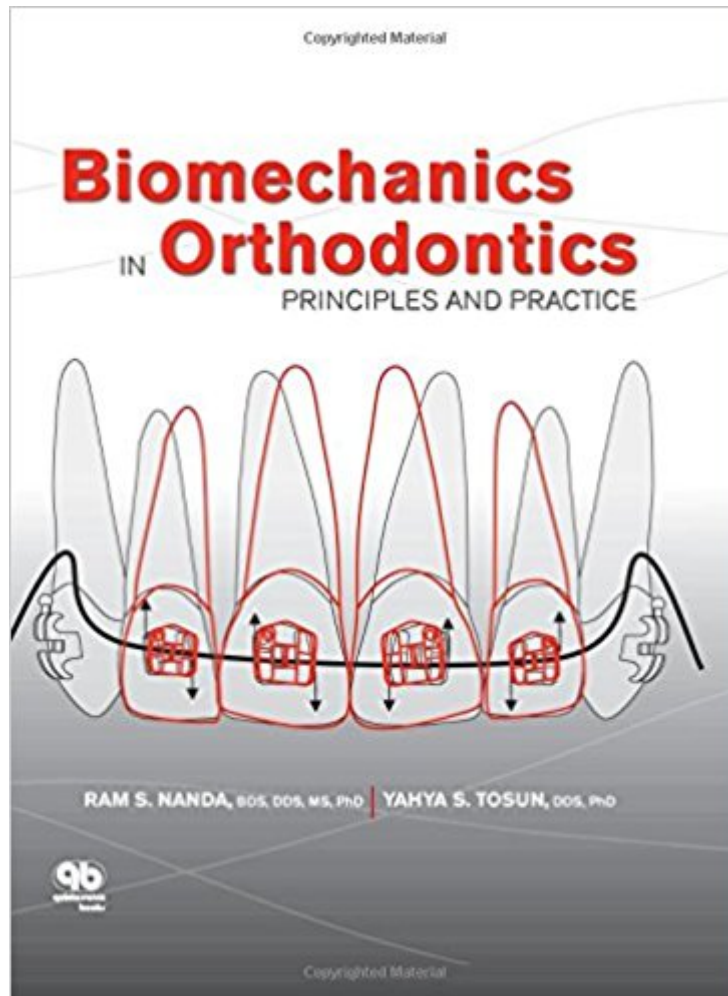




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Biomechanics In Orthodontics: Principles And Practice



Synopsis

Though comprehensive diagnosis and treatment planning set the stage for effective orthodontic treatment, it is a clear understanding of the fundamental biomechanical principles behind orthodontic force that allows the clinician to design the most favorable appliances and systems. Correct application of the principles of biomechanics leads to highly efficient and successful orthodontic treatment; a lack of proper understanding produces ineffectual systems that may even lead to collateral tissue damage. In addition, knowledge about the properties of the latest wire, bracket, and bonding materials and designs is a key factor in the configuration of successful orthodontic appliances. This essential book introduces students of orthodontics to the evolution of orthodontic technology and the properties of orthodontic materials, and outlines the essential mechanical principles behind successful orthodontic treatment.

Contents

1. Physical Principles
2. Application of Orthodontic Force
3. Analysis of Two-Tooth Mechanics
4. Frictional and Frictionless Systems
5. Anchorage Control
6. Correction of Vertical Discrepancies
7. Correction of Transverse Discrepancies
8. Correction of Anteroposterior Discrepancies
9. Space Closure

Book Information

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Customer Reviews

This book is a good guide, especially for the orthodontic postgraduate student keen to develop a sound foundation on the basic concepts of biomechanics. --Sanjivan Kandasamy, - Australian Orthodontic Journal May 2011

This book has a copyright of 2010. My point being they should have used colored pictures in

presenting the clinical patient pictures. It feels like reading a book from the 50's. Is this the fault of the publisher? There are sections where they have 12 pictures in one page and so you can imagine how small these pictures are and they want you to see the progress with each picture having 14 or more teeth exhibiting orthodontic gadgets. But the problem is that the pictures are all in black and white! Can you imagine the loss in learning from the lack of details presented in the pictures? There is even a section on microimplants and that section has zero pictures! I mean where is the effort in creating a book that dental students and dentists are supposed to learn from and enjoy and supposedly use as a reference? A small effort is shown in using the color red for the direction of arrows of force. It's like they are in school and it's pass your papers guys, finished or not finished! In this case, not finished. As a result, the book seems to be lacking in learning momentum.

EXCELLENT BOOK FOR BIOMECHANICS CONCEPTS VERY NICE ILLUSTRATIONS AND SCIENCE BEHIND WIRE BENDING, LOOP MECHANICS EXCELLENT SOURCE FOR GETTING KNOWLEDGE

Very informative and interesting book . I highly recommend it to whoever is doing orthodontics. It is a must have for any dentist who does orthodontics.

Traditional opinion

very good theorem,

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