



disease. Case studies throughout the text highlight the demand for orthodontic treatment, the etiology of orthodontic problems, and treatment planning for cleft lip and palate patients.

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The book's 4th edition includes: A NEW full-color design with over 1,400 new color clinical photographs and illustrations. Application of the "soft tissue paradigm" to modern orthodontic practice. Critical evaluation of controversies in treatment approaches and treatment timing. NEW information on the use of cone beam CT for 3-dimensional evaluation of dental and facial dimensions and relationships, and 3-D superimpositions to evaluate treatment response. Problem-oriented treatment planning, with use of digital technology. Updated content on biomechanics and modern orthodontic appliance systems. NEW skeletal anchorage techniques using bone anchors and mini screws. Chapters on adult treatment featuring the sequencing of multidisciplinary treatment, application of skeletal anchorage, the new approach to lingual orthodontics, and surgical vs. orthodontic treatment options. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. If the next edition is published less than one year after your purchase, you will be entitled to online access for one year from your date of purchase. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

This is a Pageburst digital textbook; Now in full color, Contemporary Orthodontics, 4th Edition is a practical resource with a long tradition of excellence. Line drawings and more than 1,000 new color images illustrate concepts more clearly than ever. This book includes detailed information on diagnosis, treatment planning concepts, related problems or controversies, and current treatment procedures, including the role of orthodontics in comprehensive treatment of patients with multiple problems. A NEW full-color design includes a total of more than 1,400 clinical photographs and illustrations. Application of the "soft tissue paradigm" to modern orthodontic diagnosis and treatment planning. Critical evaluation of controversies in treatment approaches and treatment timing. NEW information on the use of cone beam CT for 3-dimensional evaluation of dental and facial dimensions and relationships, and 3-D superimpositions to evaluate treatment response. Problem-oriented treatment planning, with use of digital technology

to develop a database that can feed through to the treatment plan. Updated content on biomechanics to help you plan efficient use of modern orthodontic appliance systems. NEW skeletal anchorage techniques using bone anchors and mini screws. Chapters on adult treatment featuring the sequencing of multidisciplinary treatment, the new approach to lingual orthodontics, and a discussion of surgical vs. orthodontic treatment options. Full-color design includes hundreds of clinical photographs and illustrations with brighter, more engaging text and more demonstrative figures. Diagnosis and treatment planning chapters are revised to consider new paradigms to teach students and orthodontists how to apply the results of current research to their practice and treatment plans. Current technologies and advances in contemporary treatment provide clinicians with ways to make treatment planning and execution more efficient. Updated content on biomechanics gives clinicians ways to plan appropriate orthodontic appliance systems through which mechanotherapy is delivered using principles of forces. Updated information on mechanical devices, such as transplants, transpositions, implants, and temporary anchorage using mini screws, provide an understanding on how these devices can affect orthodontic treatment and what is available on the market to improve treatment outcomes. Appliance chapters have been condensed to reflect only the most useful and contemporary materials. Chapters on treatment for adults have been rewritten to include new concepts in periodontics and new clinical cases with predictions and outcomes and discussion of surgical vs. orthodontic treatment options. Early treatment chapters have been consolidated and new research included in the reorganization of content to make it consistent with the best data available in the literature. Every section of the book begins with a "section opener" to outline the main concepts discussed in that section.

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through various cases from pretreatment to post-treatment follow-up. \* Provides 32 pages of detailed, high-quality, full color orthodontic images. \* Organizes material to follow entire dental curriculum to make this book useful to students during all four years of dental school. \* Contains almost 2,000 illustrations, with over 135 in full color, detailing orthodontic problems, procedures and treatment. Expanded coverage of surgical-orthodontic interrelationships in treatment Addition of 200 new 2-color halftones and 100 2-color line drawings (includes replacements for existing art). Addition of a Clinical Challenge section at the end of the book. This section will include approximately 75 multiple-choice questions testing readers comprehension of content presented within the text. Several pages of full-color inserts depicting the progression of various case studies from pretreatment to posttreatment follow-up. Spanish version also available, ISBN: 84-8174-542-1

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