

## BIOMECHANICS & ESTHETIC STRATEGIES IN CLINICAL ORTHODONTICS

RAVINDRA NANDA BDS, MDS, PhD, Professor and Head, Department of Orthodontics, School of Dental Medicine, University of Connecticut Health Center, Farmington, CT

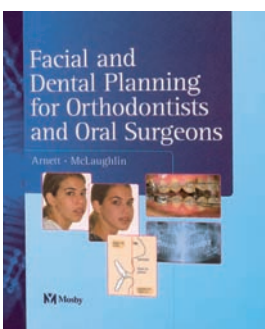
ISBN 0721601960

ref. NANDA II

This text provides state-of-the-art reference on the successful application of biomechanics in clinical orthodontics. It features comprehensive guidance on basic biomechanic principles to orthodontic problem resolution by focusing on the fundamentals. Also including new, cutting edge topics, this book shows how all techniques can apply biomechanical principles to improve the force delivery, understand and prevent side effects, and achieve predictable results.

### Features

- Full-color illustrations help the reader visualize and grasp key concepts.
- Line drawings accompany clinical photos to clarify important information and techniques.
- Chapters are organized from the most common to least common orthodontic problems, creating an easy-to-follow layout that makes the topics easy to find.
- Inclusion of cutting edge topics such as skeletal anchorage, esthetic concepts, interdisciplinary treatment, biomechanical factors, biology of tooth movement, and management of orthodontic problems presents current trends in orthodontics.
- Information on the latest advances in the use, selection, and properties of orthodontic wires exhibits all viable options for important decision-making.
- Comprehensive coverage of diagnosis, treatment planning, and biomechanical strategies provides knowledge of how to apply specific mechanisms to specific problems.
- Simplified approach makes biomechanics easy to understand and implement.
- Presentation of nonextraction treatment modalities explains how to use headgear, Herbst appliances, memory alloy springs, and other methods to yield predictable results.
- Solid information on treating malocclusion shows readers how simple changes in arch wire bending can greatly improve tooth movement quality.



## FACIAL AND DENTAL PLANNING FOR ORTHODONTISTS AND ORAL SURGEONS

G WILLIAMS ARNETT , Director, Center for Corrective Jaw Surgery, Santa Barbara, California, USA  
RICHARD McLAUGHLIN, San Diego, California, USA

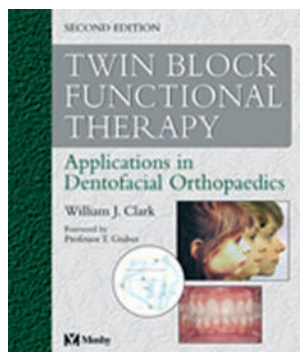
ISBN 0723433208 · Paperback · 336 Pages · 1030 Illustrations · Mosby · Published November 2003

ref. ARNETT

A highly illustrated, practical manual for orthodontists and oral surgeons which explains how to plan a position for the jaws and teeth which will optimize the facial profile for each individual.

### Features

- Superbly illustrated, authoritative manual on facial planning for orthodontists and oral surgeons by a world-renowned author team.
- Explains how to plan a position for the jaws and teeth which will optimize the facial profile for each individual.
- Deals with the challenging borderline cases - is it, or isn't it, a surgical case ?
- Covers a new approach to facial planning which is seeing widespread acceptance and which is set to become the standard method. Illustrated case histories demonstrate the clinical success of the method.



## TWIN BLOCK FUNCTIONAL THERAPY, 2nd Edition Applications in Dentofacial Orthopaedics

WILLIAM J. CLARK, Orthodontist, Fife, Scotland  
ISBN 0723431701 · Hardback · 384 Pages · 1344 Illustrations  
Mosby · Published September 2002

ref. CLARK

### Features

- Practical guide to twin-block therapy by an internationally known orthodontist, who runs teaching courses on the technique throughout the world.
- Lavishly illustrated with colour clinical photographs and clear line diagrams.
- Numerous case reports give guidance on diagnosis, treatment planning and clinical management.
- Unique sequence diagrams demonstrate patient changes over time.

### Contents

The art of orthodontics. Introduction to twin blocks. Form and function. Growth studies in experimental animals. Diagnosis and treatment planning. The Clark cephalometric analysis. Appliance design and construction. Treatment of Class II Division I malocclusion deep overbite. Treatment in mixed dentition. Combination therapy - permanent dentition. The twin block traction technique. Treatment of anterior open bite and vertical growth patterns. Treatment of Class II Division 2 malocclusion. Treatment of Class III malocclusion. Orthodontics, orthopaedics, or surgery? Management of crowding. Extraction therapy. Treatment of facial asymmetry. Magnetic twin blocks. Adult treatment. Temporomandibular joint pain and dysfunction syndrome. New horizons in orthodontics. The flat earth concept of facial growth. Growth response to twin block treatment.

## MASTERING DIGITAL DENTAL PHOTOGRAPHY

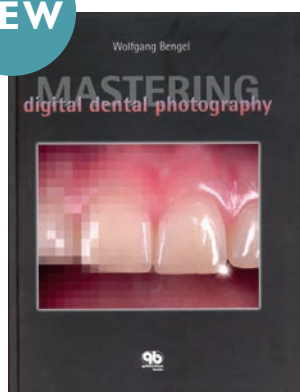
Wolfgang Bengel  
340 pag. - 550 pictures

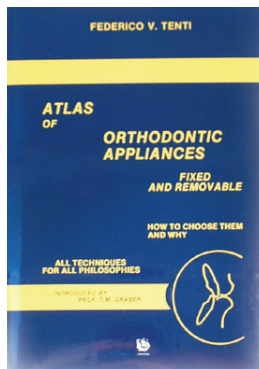
ref. BENDEL

### Contents

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|--|--|
| <p>I. Technical Background</p> <ol style="list-style-type: none"> <li>1. Demands of the Dental Photograph</li> <li>2. Basic Components of Photography</li> <li>3. Digital Technique</li> <li>4. Camera Systems Suitable for Dental</li> </ol> <p>II. Practical Procedures</p> <ol style="list-style-type: none"> <li>5. Perioral and Intraoral Photography</li> <li>6. Portrait and Profile Photography</li> <li>7. Photographing Small Objects for Dentistry and Dental Laboratory</li> <li>8. Photography of Dental Casts</li> <li>9. Copy Work</li> <li>10. Copying Radiographs</li> <li>11. From Slides to Digital Images</li> </ol> | <p>III. The Digital Workflow</p> <ol style="list-style-type: none"> <li>12. Workflow I: Image Transfer</li> <li>13. Workflow II: Image Editing - Basic</li> </ol> <p><b>Adjustments</b></p> <ol style="list-style-type: none"> <li>14. Workflow III: Image Archiving</li> <li>15. Workflow IV: Data Output</li> <li>16. Special Problems in Digital Photography</li> <li>17. Image Editing - Useful Photoshop</li> </ol> <p><b>Procedures</b></p> <ol style="list-style-type: none"> <li>18. Slide Presentations with PowerPoint</li> </ol> <p><b>Appendix:</b> Internet Addresses</p> |
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NEW





## ATLAS OF ORTHODONTIC APPLIANCES

Dr FEDERICO V. TENTI

ref. TENTI

### Part 1 - REMINDER OF BASICS

### Part 2 - ORTHODONTIC TREATMENT

1. Extrusion
2. Intrusion
3. Buccal movement
4. Lingual movement
5. Distal movement
6. Mesial movement
7. Anti-rotation
8. Uprighting
9. Torque
10. Synoptic table

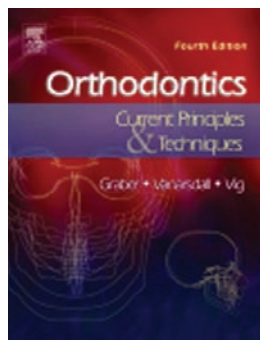
### Part 3 - ORTHOPAEDIC TREATMENT

1. General considerations
2. Class II Orthopaedic treatment
3. Class III Orthopaedic treatment

### Part 4 - Correction of bad habits

### Part 5 - HOW TO MAKE

1. Fixed appliances
2. removable appliances



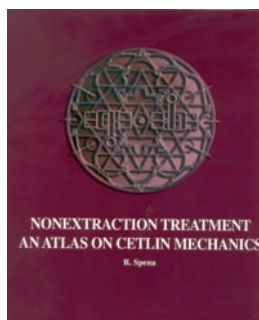
## ORTHODONTICS, 4th edition Current Principles and Techniques

By Thomas M. Graber, DMD, MSD, PhD

ref. GRABER

### Contents

1. Special Considerations in Diagnosis and Treatment Planning
2. Craniofacial Imaging in Orthodontics
3. Genetics and Orthodontics
4. The Upper Airway and Cranial Morphology
5. Tissue Reactions in Orthodontics
6. Bone Physiology, Metabolism, and Biomechanics in Orthodontic Practice
7. Application of Bioengineering to Clinical Orthodontics
8. Orthodontic Therapy and the Temporomandibular Disorder
9. Biomaterials in Orthodontics
10. Statistics for the Orthodontist
11. Interceptive Guidance of Occlusion with Emphasis on Diagnosis
12. Functional Appliances
13. Treatment of Patients in the Mixed Dentition
14. Bonding in Orthodontics
15. Precise Bracket Placement: Effective and Efficient Indirect Bonding
16. The Tweed-Merrifield Edgewise Appliance: Philosophy, Diagnosis, and Treatment
17. Self-Ligation Orthodontics with the SPEED Appliance
18. Treating the Face with Biocompatible Orthodontics
19. The In-Ovation Bracket for Fully Adjusted Appliances
20. Nonextraction Treatment
21. Treatment Options for Sagittal Corrections in Noncompliant Patients
22. Periodontal/Orthodontic Interrelationships
23. Adult Interdisciplinary Therapy: Diagnosis and Treatment
24. Orthodontic Aspects of Orthognathic Surgery
25. Craniofacial Distraction Osteogenesis: Basic Principles and Clinical Applications
26. The Orthodontist's Role in a Cleft Palate-Craniofacial Team
27. Retention and Relapse
28. Clear Plastic Appliances for Retention and Tooth Movement



## NONEXTRACTION TREATMENT - An Atlas on Cetlin Mechanics

R. SPINA  
2002, GACI

ref. 27.800.20

### Part 1 - NON EXTRACTION TREATMENT

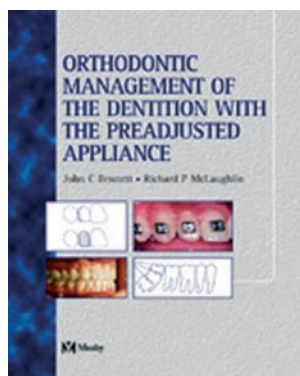
### Part 2 - SPACE GAINING IN THE UPPER ARCH

- The use of the palatal bar
- The extra-oral appliance
- The removable distalizing plate.

### Part 3 - SPACE GAINING IN THE LOWER ARCH

- The use of a lipbumper
- The class III mechanics

### Part 4 - SPACE UTILIZATION



## ORTHODONTIC MANAGEMENT OF THE DENTITION WITH THE PREADJUSTED APPLIANCE

RICHARD P McLAUGHLIN BS, DDS, San Diego, CA  
JOHN BENNETT LDS, RCS, London, UK

ISBN 0723432651 · Hardback · 392 Pages · 1394 Illustrations  
Mosby · Published March 2002

ref. BENNETTMC

In this innovative text these award-winning authors look at orthodontics in a new and organised way. They consider the day-to-day clinical management of each tooth in the dentition. They cover crowding, spacing and tooth size discrepancies, as well as management of common ectopic eruption problems and impactions. They combine orthodontic research evidence with their long experience of the preadjusted appliance system to show successful management of many of today's clinical challenges.

### Features

- A practical, clinical guide to the management of individual teeth within the dentition using the Preadjusted Appliance - the most popular orthodontic appliance worldwide.
- Internationally-known and respected author team with highly successful publishing record - this book is a "must have" for orthodontists.
- Focuses on situations frequently seen in the day to day practice of orthodontics.
- 30 case studies illustrate the practical application of the procedures discussed.
- Lavishly illustrated with high-quality colour photographs and clear line diagrams.

## MICROIMPLANTS IN ORTHODONTICS

Dentos - 2006

Jae-Hyun Sung, Hee-Moon Kyung, Seong-Min Bae, Hyo-Sang Park, Oh-Won Kwon,  
James McNamara Jr.

180 pages – 320 pictures

ref. MICROIMPLANTS

- chapter 1: The history of skeletal anchorage in orthodontics
- chapter 2: Selection of microimplant sites and sizes
- chapter 3: The development of new orthodontic microimplants and their clinical applications
- chapter 4: Surgical procedures for microimplant anchorage
- chapter 5: Biomechanical considerations in microimplant anchorage
- chapter 6: Clinical examples of microimplant anchorage
- chapter 7: Success and failure rates of miniscrews and microimplants

## MINI-IMPLANTS EN ORTHODONTIE

Version Française

Jung Suk Lee, Jung Kook Kim, Young-Chel Park, Robert L Vanarsdall

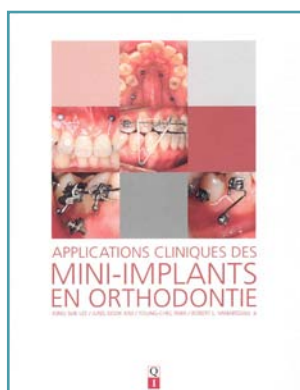
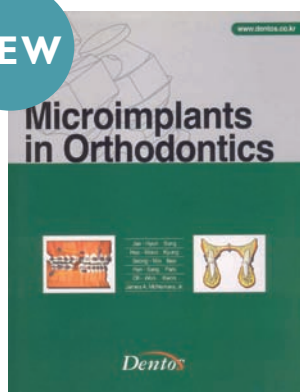
Traduit par S. Katabi et F. Liger

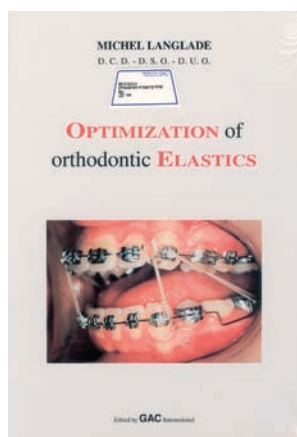
274 pages - 1200 Illustrations

Ref. LEE

Les minivis en ODF représentent un ancrage d'un intérêt exceptionnel. Description détaillée du protocole de mise en place des minivis et de très nombreuses applications cliniques dans toutes les classes d'Angle.

NEW





## OPTIMIZATION OF ORTHODONTIC ELASTICS

Dr. MICHEL LANGLADE

version française

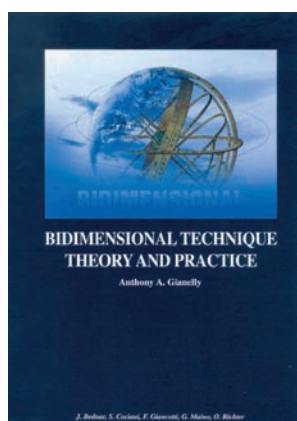
ref. 27-800-50

ref. 27-800-50F

Standaardwerk over alles wat een orthodontist dient te weten over elastieken inclusief definities, history, patiëntenmotivatie, krachten en toepassingen. 224 bladzijden, 151 foto's, kwaliteitsvolle uitgave.

*Une étude approfondie sur les élastiques qui la rend exhaustive. 224 pages, 151 photos, cartonné, papier glacé.*

- chapter 1: DEFINITIONS
- chapter 2: HISTORY OF ELASTICS FORCES
- chapter 3: CLASSIFICATION OF ORTHODONTIC ELASTIC FORCES
- chapter 4: ELASTICS WEARING MOTIVATION
- chapter 5: CLASS I ELASTIC FORCES
- chapter 6: CLASS II ELASTIC FORCES
- chapter 7: CLASS III ELASTIC FORCES
- chapter 8: PARTICULAR INTERMAXILLARY ELASTICS
- chapter 9: ELASTICS AND EXTRA ORAL FORCES
- chapter 10: RATIONALE FOR ELASTICS PRESCRIPTION



## BIDIMENSIONAL TECHNIQUE THEORY AND PRACTICE

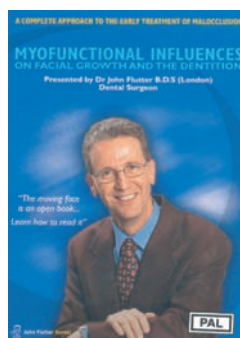
Dr. ANTHONY A. GIANELLY

ref. 27-800-14

**This book includes the following:**

- The process involved in devising a diagnosis and treatment plan and the rationale for the decisions that are made, including the critical choice between extraction and non-extraction treatment.
- The rationale and step by step procedures of the Bidimensional technique. Also treatment of various types of malocclusions is illustrated.
- The current status of the role of orthopedics and orthodontics in the correction of malocclusions.
- Observations concerning the timing of treatment of the various malocclusions.
- Retention/relapse considerations.
- The relationship of orthodontic treatment and TMD.
- The orthodontists' role in orthognatic surgery.
- Adult-periodontal-prosthetic orthodontic treatment.

- chapter 1: DIAGNOSTIC AND TREATMENT PLANNING PRINCIPLES
- chapter 2: BIDIMENSIONAL TECHNIQUE
- chapter 3: NON EXTRACTION TREATMENT
- chapter 4: EXTRACTION TREATMENT
- chapter 5: RETENTION
- chapter 6: TMD AND ORTHODONTIC TREATMENT
- chapter 7: ORTHOGNATIC SURGERY
- chapter 8: ADULT ORTHODONTICS
- Preface

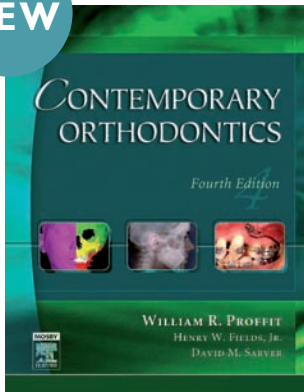


## MYOFUNCTIONAL INFLUENCES ON FACIAL GROWTH AND DENTITION - DVD

Dr. JOHN FLUTTER

ref. BENNETTMC

NEW



## CONTEMPORARY ORTHODONTICS E-DITION, 4TH EDITION

Text with Continually Updated Online Reference By William R. Proffit, DDS, PhD, Henry W. Fields, Jr., DDS, MS, MSD and David M. Sarver, DMD, MS  
768 pages 1805 ills  
Trim size 216 X 276 mm  
Copyright 2007

Ref. PROFIT

### Description

With an all-new, full-color format, the fourth edition of Contemporary Orthodontics is now arranged in seven sections that follow the curriculum guidelines prescribed by the American Dental Educators Association. It includes new and relevant information while avoiding older or outdated areas to remain a practical resource for multiple levels of orthodontic students and practitioners. Full-color clinical images and line drawings illustrate the written concepts more clearly than ever.

New to this Edition

### New to this edition

- 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.

NEW

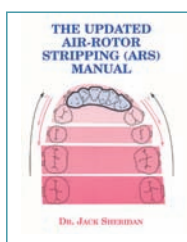


## THE HERBST APPLIANCE

Research-based Clinical Management  
Hans Pancherz and Sabine Ruf  
280 pages – 1089 illustrations

Ref. HERBST

- Appliance design and construction
- Short- and long-term effects on Class II/1 & 2
- Mandibular growth stimulation in patients treated at different stages of somatic and skeletal maturation
- Headgear effect of the Herbst appliance
- Therapy influence on frequency of extract.
- Advantages and disadvantages on an early versus late treatment approach.
- Successful application of the Herbst appl. in young adults (20 to 30 years of age)
- Herbst therapy as an alternative to orthognathic surgery in nonsyndrom adult Class II

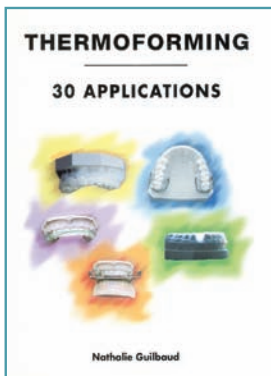


## THE UPDATED AIR-ROTOR STRIPPING (ARS) MANUAL

DR. JACK SHERIDAN

ref. 50050

The definitive procedural guide to obtaining space without extractions. An excellent review and update for those who are familiar with the Dr. Sheridan's technique.



## THERMOFORMING - 30 applications

NATHALIE GUILBAUD – 2004

ref. GUILBAUD

- TEMPORARY APPLIANCES  
Space maintainers, Bite planes, Transfer trays...
- ORTHOPEDIC APPLIANCES  
Appliance for headgear tubes, monobloc, Herbst...
- ORTHODONTIC APPLIANCES  
Appliance with expansion screw – appliance with distalizing springs – bite planes – space closing appliance – single tooth intrusion / extrusion appliance

### RETAINERS

- COMFORT APPLIANCES  
Fluride tray – bleaching tray – occlusal splint

Version française

Ref. GUILBAUDFR

- LES GOUTTIÈRES INTERMÉDIAIRES  
Maintien d'espace, surélévation, pour collage indirecte...
- LES GOUTTIÈRES ORTHOPÉDIQUES  
Avec tubes FEO, monobloc, Herbst...
- LES GOUTTIÈRES ORTHOPÉDIQUES  
Avec vérins d'expansion, avec ressort de distalisation, bite-plane, fermeture d'espace, ingression, égression d'une dent...

### RETAINERS

- GOUTTIÈRES DE CONFORT  
■ Fluorisation, blanchiment, occlusion...



## ESSIX APPLIANCE TECHNOLOGY APPLICATIONS, FABRICATION AND RATIONALE

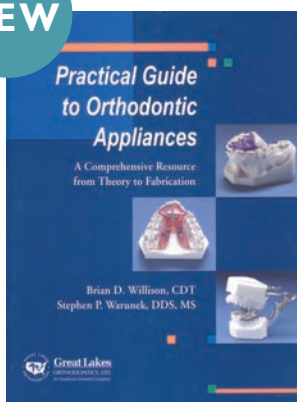
DR. JACK SHERIDAN

GAC, 2003

ref. 27.800.25

1. Treatment indications, elements of Essix retention.
2. Essix canine-to-canine retainer fabrication.
3. Thermoforming: plastic adaptation to the cast.
4. Chairside adjustments and instructions to the patient.
5. Tooth movement with Essix appliances.
6. Types of tooth movement with Essix appliances.
7. Inducing force by altering the Essix Appliance.
8. Closing reopened extraction sites, diastema, and intrusion and extrusion of teeth.
9. Force amplified retention to hold an anterior open bite closed
10. The Essix temporary anterior bridge.
11. Other applications of Essix technology.
12. Contraindications and limitations.
13. FAQ's

NEW



## PRACTICAL GUIDE TO ORTHODONTIC APPLIANCES

Great Lakes 2004

Brian D. Willison, CDT

Stephen P. Warunek, DDS, MS

619 pages – over 3000 illustrations

ref. Willison

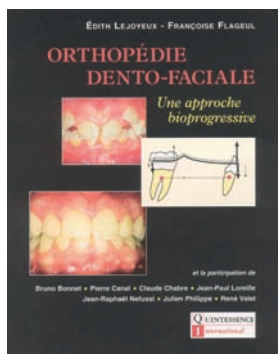
### Contents

#### I : Basic concepts

1. Terminology
2. Dental development & analysis
3. Examination & analysis
4. Orthodontic alignment with fixed appliances
5. Intra-Arch and Inter-Arch discrepancies
6. Designing an orthodontic laboratory

#### II : Technical procedures

1. Study and work models
2. Bracket bonding
3. Basic retainers
4. Active plates
5. Soldered appliances
6. Soldered expansion appliances
7. Bionator appliances
8. Activator appliances
9. Frankel appliance
10. Herbst™ appliance
11. Gnatological tooth positioner
12. Splints
13. Mouthguards
14. Invisible plates
15. Biostar® - Minister®



## ORTHOPÉDIE DENTO-FACIALE Une approche bioprogressive

EDITH LEJOYEU - FRANÇOISE FLAGEUL

Et la collaboration de : Bruno Bonnet - Pierre Canal - Claude Chabre - Jean-Paul Loreille - Jean-Raphaël Nefussi - Julien Philippe - René Valet

300 pages environ - Format 210x270mm. - Plus de 800 illustrations couleurs.

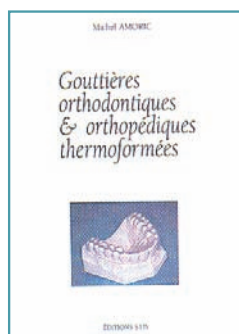
ref. LEJOYEU

*Les praticiens ont appris à conjuguer orthodontie, orthopédie et chirurgie orthognathique pour répondre à la demande de patients de plus en plus nombreux qui viennent consulter, en général pour des raisons esthétiques. Ainsi, la fonction primordiale du sourire ne peut être idéalisée en fin de traitement si elle n'est prise en compte dès le départ. Prendre conscience du rôle primordial du diagnostic pour que soient atteints des objectifs de traitement plus ambitieux devient une nécessité. Plus la thérapeutique se diversifie, plus le besoin d'appréhender correctement l'environnement parodontal, musculaire et articulaire de la denture se fait pressant.*

*Ce livre est un traité clinique destiné à tous les praticiens qui veulent élargir le champ de leur activité thérapeutique. C'est avant tout un guide pratique qui conduit le lecteur, pas à pas, de l'élaboration d'un plan de traitement cohérent vers le choix évident d'objectifs de traitement et de systèmes mécaniques selon le degré de difficulté rencontré.*

*A la différence de compilations encyclopédiques habituelles, l'expérience clinique, didactique et pédagogique des auteurs donne à cet ouvrage une originalité de ton et d'écriture plus proche de la pratique quotidienne. La lecture gagne en efficacité par l'analyse pertinente des problèmes posés, la maîtrise logique des outils mécaniques et le suivi rigoureux des effets thérapeutiques.*

*Divisé en six parties, cet ouvrage s'articule autour des temps successifs de la pratique orthodontique en tenant compte de l'âge des patients.*



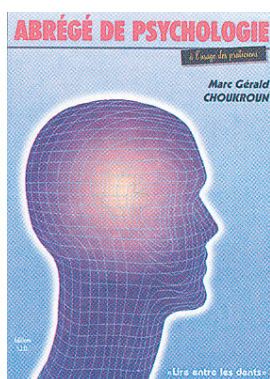
## GOUTIÈRES ORTHODONTIQUES ET ORTHOPÉDIQUES THERMOFORMÉES

M. AMORIC

Volume de 95 pages - format 19x27 - 300 illustrations (photographies et schemas). + CD-ROM

ref. AMORIC

Si l'utilisation des appareils orthodontiques et orthopédiques thermoformés est régulièrement citée dans les articles internationaux, aucun ouvrage de synthèse n'avait été entrepris. Avec ce premier ouvrage, Michel Amoric (un des premiers découvreurs de cette étude, et utilisateur depuis plus de 15 ans) nous livre un véritable traité de science plasturgique relatif aux gouttières orthodontiques et orthopédiques, sans négliger les aspects pratiques.



## ABRÉGÉ DE PSYCHOLOGIE À L'USAGE DES PRATICIENS Lire entre les dents

M.-G. CHOUKROUN

Reliure souple - 232 pages - 1997.

ref. CHOUKROUN

Une profonde réflexion pédagogique est à la base de cet ouvrage destiné à former les praticiens sur un champ de connaissances beaucoup trop négligé dans notre profession de santé. En effet, la psychologie est un domaine complexe et seul un odontologiste ayant la double formation pouvait de permettre d'en concevoir les applications spécifiques. Conçu pièce par pièce, le lecteur pourra aborder cet ouvrage au hasard des chapitres qui attirent sa curiosité, mais en se prenant au jeu de la lecture, il pourra se construire une connaissance complète des bases fondamentales en ce qui concerne la coopération thérapeutique.

Parmi les différents sujets, nous retiendrons la théorie des frustrations de Rozencweig, applicable aux patients agressifs, la théorie de Berne sur l'analyse transactionnelle, applicable aux relations paradoxales d'un adulte, la théorie des apprentissages, applicable à l'hygiène bucco-dentaire, la théorie des mécanismes de défense de Freud, la technique de l'entretien et autres outils indispensables dans la perspective du consentement éclairé qui va bientôt dominer notre éthique médicale. Au total, il s'agit d'une réflexion sur la conscience du corps dans la pratique odontologique.