A new dimension in orthodontic training
The world of orthodontics becomes more transparent!
A reference guide to orthodontics

With numerous illustrations and diagrams

This long-awaited volume (book and CD-ROM) contains over 2.800 definitions of terms and concepts used in orthodontics and related fields. The definitions are accompanied by numerous detailed diagrams, which clarify the information given.

The Glossary of Orthodontic Terms is an indispensable source of reference for orthodontists, orthodontic residents and dental students as well as for specialists in related fields of medicine who work in close collaboration with orthodontists. It clearly presents the most commonly used terms and clinically relevant and concise information in a single volume and is the ultimate reference book on current orthodontic knowledge.

This first volume of the “Dynamics of Orthodontics” project represents a major step forward in achieving international agreement on orthodontic terminology. Its publication in five other languages (German, French, Spanish, Italian and Portuguese) has set a global standard.

Glossary with CD-ROM for Windows or Macintosh (up to OSX 10.3)

Available in:

- German
- English
- French
- Spanish
- Portuguese
- Italian
International orthodontic glossary

Interactive search function, available in six languages

The world of orthodontics is becoming transparent. The globalization of science and markets is having a great impact on all disciplines in medicine and dentistry. International understanding that ensures an optimum exchange of information and knowledge is the basis for active participation in future developments.

Even though English is becoming the international language of science, there are often problems of interpretation and translation, particularly with highly specialized terminology as used in orthodontics.

By using this multilingual glossary in six languages, terms can now be correctly translated from one language into any of the other languages. This multilingual glossary provides dentists, orthodontists and other specialists with an optimum aid for achieving perfect translations and understanding worldwide.
Stages in facial development

**Simulation in innovative 3-D technology**

An understanding of the possibilities and limitations of facial orthopedics requires knowledge of the basic processes involved in facial growth. This multimedia presentation describes the essentials of facial growth relevant to clinical orthodontics. This multimedia presentation explains the basics of face growth impressively in a highly instructive manner. The focus is on topics relevant to clinical orthodontists.

The biological basis of different growth patterns is clearly illustrated. Special attention is given to the effect of functional components on skeletal development. Comprehensive interactive user guide, very easy to use due to the presentation mode, unique videos of embryonic tooth development, 250 high-quality graphics, interactive 3-D animation.

The biologic factors underlying different growth patterns are explained, with special attention given to the role of functional components in skeletal development. Emphasis is placed on factors that determine the growth pattern, and on the causes of variations in growth. In addition, current views on facial growth are elucidated.

**DVD-ROM for Windows**

Multilingual:

- German
- English
- French
- Spanish
- Portuguese
- Italian
Audiovisual facial orthopedics

**Methods and outcomes based on different case histories**

In this DVD-ROM the functions of different facial orthodontic techniques are explained, elucidated using results from animal experiments and clearly illustrated with clinical examples. The relevant long-term results are expertly presented in detail and the importance of physiological intercuspation throughout the stages of occlusal development is explained.

Detailed case histories document the results of different treatment methods. The contents of the data medium are organized systemically in the same way as in a book. Different chapters can be accessed via the list of contents.
Normal Development of the Dentition

Stages in the development of the dentition

Unique 3-D simulation of development

For the first time ever, the development of the dentition is presented in virtual reality using sophisticated computer technology. Three-dimensional views provide fascinating insights into this complex process. Factors that affect the way the dentition develops in the growing face are clarified, and the role of function in emphasized.

This exciting new DVD describes and illustrates the morphogenesis of the teeth with extensive new animated material. Variations in the arrangement of teeth at subsequent stages of development that still lead to a normal occlusion are shown. The relationship of the development of the teeth to the size of the jaws and to subsequent skeletal growth is explained. Associated abnormal conditions that occur during the development of the dentition are elucidated.
Malocclusions and Interventions

Frans P. G. M. van der Linden
Ralf J. Radlanski
James A. McNamara, Jr.

Description of different types of dysgnathia

Information for therapeutic treatment

This dynamic animated DVD presents the development of malocclusion, providing valuable information to those involved in clinical orthodontics. A basis is offered for efficient treatment protocols by describing the characteristics of various types of malocclusions, considering the etiology of these conditions as well as the associated deviations that develop. Emphasis is placed on abnormal development that can be interrupted by interceptive procedures, often leading to spontaneous corrections and favorable conditions for initiating orthodontic treatment. Detailed clinical examples of newly developed clinical procedures are provided as well.

A description of different malocclusions and of their symptomatology and etiology provides the practitioner with a valuable aid for ensuring efficient treatment. This volume focuses on dysplasia, its treatment by interceptive measures and orthodontic treatment.

Vol. 3a + 3b

DVD-Video

Multilingual:

- German
- English
- French
- Spanish
- Portuguese
- Italian
Understanding the functional aspects of the orofacial region is a prerequisite for arriving at a proper diagnosis and planning treatment for orthodontic patients. The ultimate morphology of the skeleton and the arrangement of the teeth are mainly determined by facial growth and the development of the dentition, on which functional aspects have a large influence. The mode of breathing, the position of the tongue, lips, and cheeks, the interdigititation of the posterior teeth, and the forces exerted by the occlusion all contribute to the developmental process.

Functional aspects have a great effect on all orthodontic therapies as they limit their outcome and are closely linked to changes during and after the retention phase. This volume describes these aspects in detail.
Facial Growth, Dentition and Function

The world of orthodontics in an interactive tutorial format!

Test your knowledge on this DVD-ROM

An interactive computer-based tutorial (CBT) program, Facial Growth, Dentition, and Function combines the contents of earlier "Dynamics or Orthodontics" modules (Volumes 2, 3, and 4) on a single DVD. Additionally, the tutorial package introduces new concepts related to the complex interactions between facial growth, tooth development, and function, making this program a one-stop, professional, state-of-the-art teaching and learning module.

Each section of the program begins with a brief introduction describing the topics that will be covered; a 30-question “clickand-learn” quiz follows to give users the opportunity to assess their personal level of understanding of these subjects. When the user selects one of the multiple choice answers, the program indicates whether it is right or wrong. Explanatory information specific to each question is available in a separate window. In addition, illustrations and short video sequences are presented for enhanced understanding of the subject matter and optimal learning.
Dynamics of Orthodontics

Innovative, expert, international

This joint project of the Quintessence Publishing Co. and Dentaurum is unique in its presentation and range. It is unique in the width and depth of the factual content and also unique in its presentation of orthodontic knowledge and expertise.

The highly esteemed international reputation and expertise of the authors and also the focus on international understanding have resulted in a reference work that meets the highest standards of quality, practicability and user-friendliness. This project has successfully set a new standard in providing a greater understanding of orthodontics.

Editors

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### System requirements

**CD-ROM** for Windows:
Pentium-III 500 M Hz, 128 megabytes RAM, Windows 98/M E/2000/XP, resolution 1024 x 768 pixels (High Color), CD-ROM drive with 8 x speed, 50 MB free space on the hard drive

**DVD-ROM** for Windows:
Pentium-III 500 M Hz, 256 megabytes RAM, Windows 2000, XP, resolution 1024 x 768 pixels (High Color), DVD-ROM drive, 50 MB free space on the hard drive memory

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**Poster 1**

Tooth bud in a 6-week old embryo

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Date of information: 07/06

**Glossary Vol. 1 is recommended by seven orthodontic associations:**

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