

EPIGENETIC ORTHODONTICS IN ADULTS

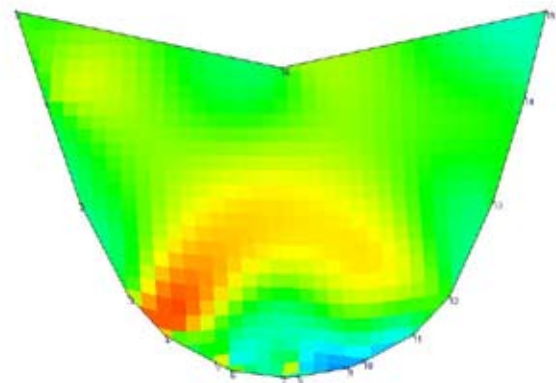
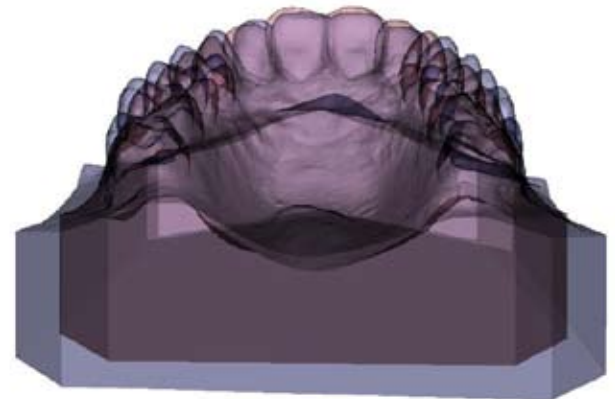
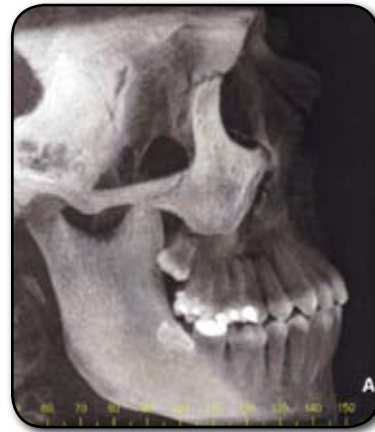


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This book focuses on craniofacial growth and development specifically during adult orthodontic treatment. A thorough review of the theory, practice and results of facial development is illustrated, laying the foundation for a core text in orthodontics and dentofacial orthopedics.

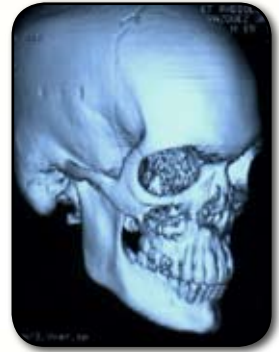
The book discusses new concepts and hypotheses that underlie maxillo-mandibular growth, and application of the clinical technique to specific cases. A major benefit of this book is that it does not assume any prior knowledge on the part of the reader. Its modern and novel molecular genetic approach to orthodontics will appeal to a wide audience of readers. General dentists that undertake orthodontic treatments and dentofacial orthopedics as a specific interest in their offices/practices will find this book most useful. As well, orthodontists and other specialists in oral and maxillofacial surgery will find this book useful in their own areas of expertise.



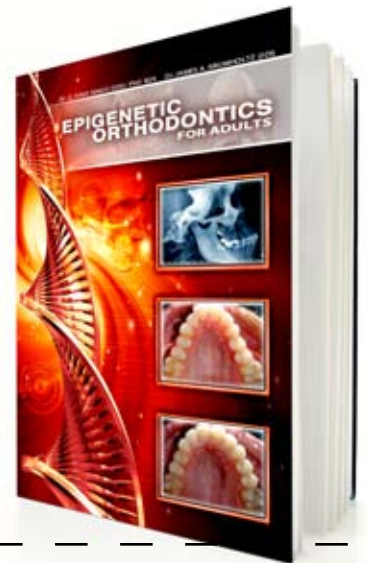
- Chapter I: Principles of Growth and Development
- Chapter II: Functional Spaces
- Chapter III: The Spatial Matrix Hypothesis
- Chapter IV: Functional correction: Developmental decompensation
- Chapter V: A different approach to adult orthodontic treatment
- Chapter VI: Adult orthodontics: Diagnostics
- Chapter VII: Adult orthodontics: Treatment protocol
- Chapter VIII: Case Studies



The book discusses: Factors affecting growth and the mechanisms of growth and development; Dental disease patterns in modern adults and the consequences of underdeveloped faces and jaws in adults; Early postnatal cranial development and early influences on craniofacial development; Orthodontic treatment during late childhood and puberty; Circum-maxillary sutures; Mechanotransduction and treatment; How to formulate a diagnosis; Clinical examination of new adult patients; Treatment planning; How to formulate a treatment plan; TMD concerns and equilibration.



The book also contains: A comparative study of patients' faces before treatment and after treatment; A comparison of upper and lower dental arch response to treatment; Results of airway analyses and References.



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