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Book review

Orthodontic and dentofacial orthopedic treatment. Thomas Rakosi, Thomas M Graber. Publisher: Thieme Medical Publishers, Germany. Publication: 2010. Price: €179.99 (Hardbound). Pages: 416. Illustrations: 1260. ISBN: 9783131277619.

In the last few years there is an increasing awareness and interest in improving facial aesthetics. Notwithstanding the recent developments in science and technology which have led to the introduction of a plethora of new orthodontic products and techniques, there is no single orthodontic appliance satisfying all needs for all patients. There is now greater emphasis on soft tissue aspects of orthodontics with the earlier emphasis on dental and skeletal components, still being valid. Written by experts in this field, *Orthodontic and dentofacial orthopaedic treatment* provides a comprehensive discussion of safe, fast, and most efficient evidence-based orthodontic and dentofacial orthopaedic treatments. Each chapter of the book addresses a specific orthodontic topic and provides numerous clinical cases to illustrate the most effective patient management strategies.

This book has 16 chapters dealing with diagnosis and treatment planning, functional orthopaedics, segmented arches, asymmetries, space closure, retention procedures and chapters on implants and splint aligners. The book begins with sections related to therapeutic diagnosis, preventive and interceptive orthodontics and these are followed by chapters on treatment with functional appliances with emphasis on the Twin Block technique and a chapter outlining mandibular propulsion with a fixed inter-arch mechanism—the inter-arch compression spring. With the recent emphasis on non-extraction expansion therapies, the chapters on early maxillary expansion and mandibular distraction osteogenesis covers the topic exhaustively including timing, types of maxillary expanders, scope and

possibilities of maxillary expansion, and treatment planning for mandibular lengthening and widening. Biomechanics is among the most important aspect of the design of an orthodontic appliance and the Chapters 8 through 11 describe the basics of biomechanics and their applications together with the design of simple appliances which can be easily and successfully incorporated in any prevailing orthodontic technique and philosophy. The chapter on implants in orthodontics is a compendium for the clinical use of orthodontic implants.

The chapter dealing with treatment using the invisalign system approaches the solution of moving teeth with a series of aligners by combining three-dimensional imaging technology and mass customisation. The final few chapters cover important aspects relating to proximal stripping of teeth and addressing the problem of orthodontic retention. Retention devices that are being used in contemporary orthodontics for specific retention goals have been presented with advantages and disadvantages of each.

The book was intended to introduce the dental clinician to newer orthodontic treatment modalities and also to expand the knowledge base of experienced clinicians by pointing out potential pitfalls and proposing alternative approaches to interesting clinical situations. The authors have succeeded on both counts. This book synthesises a wealth of information gleaned from clinical experience in orthodontic practice. Packed with valuable information, *Orthodontic and dentofacial orthopaedic treatment* is recommended for all orthodontic residents, faculty, and all practitioners of orthodontics.

Contributed by

Col SS Chopra*, Surg Lt Cdr Oommen Nainan[†]

*Associate Professor, [†]Resident, Department of Dental Surgery, AFMC, Pune – 40.