

## Book Reviews

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### New horizons in orthodontics, volume 1: advances in fixed appliance technique

Author: William J. Clark

Price: £150

ISBN: 978-0-9570929-0-7

This new publication by William Clark has been produced as an E-book, which is available at [www.newhorizonsinorthodontics.com](http://www.newhorizonsinorthodontics.com) or [www.twinblocks.com](http://www.twinblocks.com). It is the first volume of a work entitled 'New Horizons in Orthodontics' and will be followed by a second concerned with 'Advances in Functional Therapy and Dentofacial Orthopedics'. It has been produced in landscape format and comes in at over 400 pages, which makes it an impressive piece of work. What also impresses, are the sheer number of beautifully recorded and treated cases, the variety of techniques that have been used, and the very obvious enthusiasm that the author has for his subject. But then, it should perhaps not come as any great surprise that the man who designed the world's most popular and effective functional appliance, is also a man who has diligently recorded the outcome of the orthodontic treatment he has provided throughout his career and spent a considerable amount of his time thinking about how he can further improve this treatment for his patients. I think it is fair to say that this book has been a labour of love for William Clark and it shows.

The book itself is divided into 14 chapters and begins with the author's own basic philosophy regarding diagnosis

and treatment planning and includes a description of his favoured cephalometric analysis. It then provides some historical background regarding the development of fixed appliances, discussing very early fixed appliances, standard edgewise and light wire systems—all with clinical examples. There is significant coverage of the bioprogressive philosophy and labiolingual techniques, with further chapters on the straight wire appliance and self-ligating brackets. In addition, the subject of arch development (lingual, transverse, and sagittal) is covered in some detail over three further chapters. At the end of the book, a chapter covers contemporary orthodontic techniques and there is a brief discussion of orthodontics and dentofacial orthopaedics in the final chapter.

Reading this book has introduced me to a lot of new ideas, many of which I will certainly be trying out in my own clinical practice. I think it will appeal to orthodontists at many different levels of experience and I would heartily recommend it. For me, it was a pleasure to read. The Kingdom of Fife has indeed been privileged to be served by an orthodontist of William Clark's stature.

Martyn T. Cobourne

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### Orthodontic pearls, a clinician's guide (2012)

Author: Larry W. White

Publisher: Taylor Publishing Co., Dallas, TX, USA

Price: US\$89

Dr Larry White has authored and contributed to several books on orthodontics. The author chose to arrange the 'pearls' in the order of discovery or when contributions were sent it to him. The table of contents, however, leads you to what you are looking for.

This well-illustrated book (200 pages and 843 colour illustrations) contains the contributions of 122 authors from

around the world who have shared some of the ideas and techniques that have simplified and expedited the delivery of orthodontic therapies to their patients.

The entire book rests on the premise that together we are smarter, and all knowledge, no matter how minor, increases its potential exponentially when shared. Readers will find tips on patient management, diagnosis, treatment planning,

compliances issues, personnel issues, and office management in addition to copious numbers of helpful suggestions for clinical treatments.

This book is a compendium of tips and tricks, some of which have previously been published in the *Journal of Clinical Orthodontics*. Some advice may initially seem trivial but we have to look at it in the context of practitioners helping each other, e.g. a useful pearl (from the editor's cache) is to wear your watch on your non-dominant hand, preventing it from interfering with the patient's hair, face, or ears but still allowing the time to be read at all times. Another hint is the use of salt sprinkled over the tongue

before taking impressions to control gagging. Apart from useful hints and tricks, there are also some examples of impressive orthodontic treatment mechanics and bonding procedures, which are displayed in a practical way.

The quality of the pictures is not always ideal but the message is clearly exemplified. On a rare occasion, I found a pre and post picture to be the same. This book is defined by its illustrative qualities rather than the text but the reader is offered helpful information that is used by many orthodontists all over the world.

Bart Vande Vannet

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## The Alexander discipline, volume 2: long-term stability (2011)

Author: R. G. "Wick" Alexander  
Publisher: Quintessence Publishing Co., Inc.  
Price: £102.00  
ISBN: 978-0-86715-468-9

Having treated over 15 000 orthodontic patients, Wick Alexander has an extraordinary wealth of orthodontic knowledge and experience that has enabled him to write this book. It aims to help the clinician 'identify guidelines that will produce the healthiest, most functional, most aesthetic, and most stable orthodontic results'.

The book has nine chapters; all beautifully illustrated with comprehensive patient records taken from the 'Room of Truth', his bank of data pertaining to approximately 10 000 patients.

Clearly there is value in demonstrating stability 30 years following treatment; however, one could challenge the justification for further radiation exposure when taking a post-treatment lateral cephalogram at such an interval.

Chapters 1 and 2 review treatment stability, with reference to the Alexander Discipline technique. For those unfamiliar with the Alexander Discipline, Chapter 2 describes the unique bracket selection, arch form, and treatment mechanics that have made this a popular technique for some.

There are chapters dedicated to special considerations in orthodontics, referencing the importance of periodontal and temporomandibular joint considerations followed by the fundamentals of anterior torque control using a 0.018 bracket slot. Although the mechanics suggested are not applicable to those clinicians that use 0.022 bracket slots, it makes an interesting read. Unfortunately, some of the

evidence that is referenced is yet to be published and thus should be interpreted with caution.

The use of headgear is recommended for skeletal II correction and facemask therapy for early correction of a class III malocclusion in the chapter that reviews sagittal skeletal alteration and vertical skeletal control. Greater information relating to functional appliance therapy would have made the discussion more comprehensive.

In subsequent chapters, we are reminded of the importance of maintaining the intercanine width and pre-treatment arch form in order to minimize orthodontic relapse. The importance of functional occlusion and stability and the merits of mandibular incisor root positioning and leveling of the mandibular arch are also considered.

The penultimate chapter describes how best to achieve the perfect smile. Attention to facial and dental midlines, smile lines, and buccal corridors are some of the objectives examined.

In the final chapter, the author discusses the possible sources of orthodontic relapse.

The recommendation of isometric clenching exercises to treat hypodivergent profiles and exercises employed to train the tongue into adopting a new swallowing pattern are thought provoking.

Overall, this book was easy to read, the chapters were relatively succinct and cases used were informative.

Natasha Wright

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