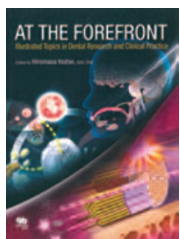


Book reviews

Books, videos, CD-ROMs, DVDs and any other relevant items submitted for a review in the BDJ should be addressed to:

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AT THE FOREFRONT: ILLUSTRATED TOPICS IN DENTAL RESEARCH AND CLINICAL PRACTICE



H. Yoshie (ed)
Quintessence
price £66.00; pp 108
ISBN 9780867155150

This book is divided into two distinct parts. Part one explores advanced periodontology and tissue engineering and part two explores new discoveries in clinical science and operative dentistry. All researchers and clinicians are from Japanese universities and dental schools.

Each part of the book has 12 chapters on differing topics. Yet the topics are often connected to the previous topic, thus expanding your interest in the subject slowly and not overwhelming you with detail.

The first part looks at genotyping and identifying patients' susceptibility to periodontitis, as well as identifying periodontitis-related genes. It looks at a diagnostic system for periodontitis and analysis of saliva for periodontal diagnosis. Also explored is periodontal tissue regeneration and regeneration of periodontal structure. A radiograph of a bioengineered tooth in an adult mouse is presented, which is of particular interest as the consequences of this for dentistry in the future are exciting.

Periodontal disease is further explored relating to cardiovascular disease, pre-term low birth weight and diabetes. All topics are of interest to the general dental practitioner.

Part two looks at dental bonding, the effect of tooth whitening on tooth surface and laser whitening of teeth. The

chapter on carious dentine and composite resin restoration states that postoperative sensitivity after placing composites is not an issue in Japan due to their preparation of cavities and the fact that Japanese manufacturers have made great advances in restorative material technology.

The book goes on to examine nerve injury, curable versus incurable, changes in mandibular canal morphology after tooth loss and morphological changes in the maxillary sinus in the edentulous maxilla; widening its interest to oral surgeons and implantologists.

What makes this book outstanding are the illustrations that make the subjects easier to understand. The illustrations are stimulating, encouraging you to explore the subject further. Usefully the articles are concise, which allows you to dip in and out of this book between patients.

As I teach students I find the book very useful for keeping one step ahead regarding current clinical science and research in dentistry. It is also interesting for dental foundation dentists; sparking interesting discussions relating to dentistry and the future paths emerging in dentistry. *At the forefront* is enjoyable and informative.

T. McFee

ADVANCES IN RESTORATIVE DENTISTRY



A. Lussi, M. Schaffner (eds)
Quintessence
price £102.00; pp 272
ISBN 9781850972280

Advances in restorative dentistry, published in 2012, is a scientific, evidence-based evaluation of changes and trends

in modern day dentistry conveyed in an accessible way that can be applied in general practice.

The book is comprised of ten chapters that are each divided into sub-sections that comprehensively discuss a wide variety of subjects, mainly focusing on issues that are becoming ever more prevalent in dentistry.

Logically, the first chapter is 'Structure and pathology of the tooth'. Chapter two, 'Aspects of prevention', deals with basic principles such as patient management and the role of fluoride but also contains scientific evaluations of new developments in caries management such as xylitol, probiotics and antibacterial agents. This is followed by a chapter on caries, which includes fantastic images used to discuss caries diagnosis. The chapter offers a balanced answer to the topical issue 'Seal and infiltration of caries – is this the future?'

There are interesting chapters on magnification aids in restorative dentistry, damage to adjacent teeth and minimally invasive preparation. Chapter six poses another question that the authors answer very comprehensively; 'Yesterday retention – today adhesion?' Again, a balanced and pragmatic view is conveyed in this section that deals with adhesion, direct restorations, repairs, post systems and CEREC. An insightful chapter on bleaching follows this, discussing the aetiology of tooth discolouration and the different methods of tooth bleaching including over the counter products and their relative effectiveness.

Chapter eight looks at dental erosion – a common and ever increasing problem in dentistry and therefore a very relevant subject. The authors

discuss many factors in the aetiology and prevention of erosion in great detail. There is not, however, a section on restoratively treating patients with dental erosion, which would be useful.

Chapter nine, 'Endodontology', considers different methods of root canal preparation and obturation and also discusses 'cracked tooth syndrome'. The final chapter is an informative overview of halitosis.

This book is an excellent purchase for the general practitioner who wants to improve their knowledge of modern trends in dentistry and integrate this into their current practice.

The pictures and illustrations are outstanding and the authors have succeeded in creating a text that is scientific and evidence-based but also accessible to the UK general dental practitioner.

N. McFetridge

INSPIRATION: PEOPLE, TEETH AND RESTORATIONS



L. N. Baratieri
Quintessence
price £140.00; pp 475
ISBN 9781850972297

Luiz Narciso Baratieri has combined his love of nature, photography and dentistry in one book and the result is *Inspiration: people, teeth and restorations*.

The book is a beautifully illustrated, step-by-step guide on how to restore the dentition to the highest of standards. From reading this book you can tell it has been a labour of love. Brimming with clinical and non-clinical photography it almost has the feel of a portfolio; however, it never ventures far from the scientific, practical aspects of how to restore the dentition.

The book is divided into three sections: section one looks at the optical behaviours of teeth and the restorative materials we use in which to restore them. It goes back to the basics and the science behind how light reacts, not only in different layers but also in the aging tooth. It provides a step-by-step guide on how to achieve this optical effect, by using layering techniques with composite resins to achieve the translucency and luminosity of the natural tooth.

Section two is a brief guide on the technology and materials available to dental professionals, looking at chair-side and laboratory systems from initial impressions to the fabrication of the restorations and the different materials that are currently available.

Section three is a collection of case presentations examining anterior and posterior dentition, which are subdivided into direct and indirect restorations. The section finally looks at full mouth rehabilitation for the specialist practitioner.

Being in the early stages of my career I found the first two sub-divisions exceptionally useful and will try and implement some of the techniques used in my own work.

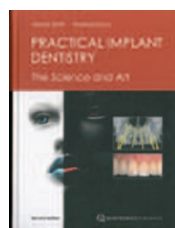
My only criticisms of this book, and I should perhaps state that these are more personal opinions rather than critique as such, are that some of the double/triple page spread pictures seemed a little out of place in what predominately is a dental textbook. I would have perhaps liked slightly more information on the treatment options available and the thought processes for the definitive treatment plans, in particular for the full mouth rehabilitation cases.

In summary, this book has a different style and finesse in comparison to other restorative dentistry books and this is what makes it such a reader-friendly book though no less technical or practical. It would make a great addition to any dental professional's personal library.

J. Facenfield

PRACTICAL IMPLANT DENTISTRY: THE SCIENCE AND ART, 2ND EDITION

A. Sethi, T. Kaus (eds)



Quintessence
price £140.00; pp 408
ISBN 9781850972235

This textbook provides readers with a logical run-through of the topic of implants from planning to placement. These experienced authors present various situations with good consideration of anatomical factors, as well as sharing key, valuable tips. The style of the book makes it easy to

read and is very well-laid out, dividing its 408 pages into three clear, broad sections: initial assessment, implant placement and bone augmentation and grafts. This adopted systematic approach contains a wealth of information that is aimed at dental practitioners with varying levels of experience, who can dip into each section whenever necessary. The more novice clinician may also find the small glossary section of key definitions helpful to refer to.

The start of the book focuses on the important preparative stages including clinical and radiographic assessment. Up-to-date imaging modalities are also demonstrated including cone beam CT and use of 3D implant planning software, which are both growing areas for innovative tools in implant dentistry.

I found the second section most valuable, as it allows readers to get to grips with every practical stage involved in implant placement. I particularly liked the way the authors describe techniques, accompanied by flowcharts and supplemented with colour photographs of clinical cases. These help keep the reader engaged and visualise the facts described in the aforementioned text, helping to further understanding. However, this section would benefit from more information on implant types and selection, due to the abundance on the market.

The authors also explore several controversial issues including immediate implant placement *versus* delayed placement. The concept of nerve repositioning is also discussed, which I found interesting as I was not aware that this was feasible, although this topic is clearly one for debate. In addition, the book allocates a substantial proportion to bone grafting procedures with good five and ten year follow-up images. Throughout the book, the text is well-referenced to articles published in well-known journals.

In summary, this book bestows readers with a practical and comprehensive guide on implant provision, with an excellent layout. This is an ideal book for anyone who would like to build a good knowledge of implant provision and is a must-read.

T. Halai