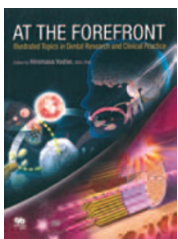


Book reviews

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