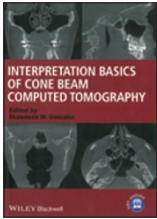


BOOK REVIEW



INTERPRETATION BASICS OF CONE BEAM TOMOGRAPHY

S. M. Gonzalez (ed)

Wiley Blackwell

price £53.99; pp 224

ISBN 9781118381069

Dental magazines are often filled with advertisements for new products or technologies. Cone beam computed tomography (CBCT) is no exception. As such, any objective resources available for self-learning are invaluable for dentists involved in its use or those with an interest in this area. This book aims to be an easy-to-use guide on interpreting cone beam scans for general practitioners and dental students.

It should be noted that it is primarily aimed at an American audience. A chapter on legal issues mentions the European Academy of DentoMaxilloFacial Radiology basic principles but is largely irrelevant to the UK reader. Similarly, attention is paid to other American guidelines regarding imaging prior to implant placement.

The book is organised by anatomical areas that range from the coronal skull base down to the cervical spine and soft tissues of the neck. Descriptions of normal anatomy and incidental findings are illustrated using easily-oriented image 'slices'. The chapters on the paranasal sinuses, the sinonasal cavity and the temporomandibular joint are written by an additional contributor and are particularly comprehensive. Here, anatomy is described in greater depth and examples of common pathology are given.

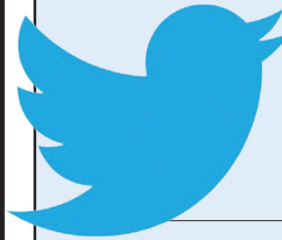
Guidance on reporting of scans is given through examples. An online resource allows access to all images from the book and to five case studies which test the reader's ability to detect normal anatomy. It is systematic in outlining and illustrating important head and neck structures and the variants of normal. The temporomandibular joint chapter is excellent and provides background, clinical presentation and radiographic findings of different joint pathology.

Dento-alveolar structures are only covered briefly. The author's intention seems to be preparing American general practitioners prescribing CBCT to interpret and report the scans: under American recommendations, this responsibility lies with the referrer. This niche does not exist in the UK as a specialist radiologist is required to report any large field of view scans. Hence, some content of the book is beyond the needs of the general practitioner and too basic for a trained radiologist.

In summary, it makes a useful read for anyone with an interest in learning to interpret cone beam images and recognise common findings. It is a manageable read in full but just as useful as a quick reference guide. It is not a comprehensive guide to CBCT and readers may wish to consider investing in alternative publications if this is their goal.

S. LOH

A REAL TWEET



Highlights from our Twitter chat with Professor Stéphane Simon on regenerative endodontics, dream discoveries, teaching and more.

Don't miss out on the latest conversations: follow @The_BDJ on Twitter.

British Dental Jnl
@The_BDJ

@DUEE_GAR Is pulp regeneration a reality? #BDJChat

9:35am - 27 Mar 2014

Duee - Dueec
@DUEE_GAR

@The_BDJ partial pulp regeneration, yes it is (pulp capping for eg). Full regeneration is still under research #BDJChat

9:37am - 27 Mar 2014

British Dental Jnl
@The_BDJ

@DUEE_GAR What has been the biggest advance in regenerative endodontics in the past decade? #BDJChat

9:47am - 27 Mar 2014

Duee - Dueec
@DUEE_GAR

@The_BDJ on the bench, the discovery of growth factors inside the dentine by Tony Smith and his team

9:51am - 27 Mar 2014

British Dental Jnl
@The_BDJ

@DUEE_GAR What would your dream discovery be? #BDJChat

10:06am - 27 Mar 2014

Duee - Dueec
@DUEE_GAR

@The_BDJ To develop a reliable diagnosis tool to improve the decision making in pulp vitality maintenance #BDJChat

10:09am - 27 Mar 2014

British Dental Jnl
@The_BDJ

@DUEE_GAR What is your favourite part of teaching? #BDJChat

10:10am - 27 Mar 2014

Duee - Dueec
@DUEE_GAR

@The_BDJ Translational research from bench to the chair. Teach students how to fix clinical issues with their brain more than hands #BDJChat

10:14am - 27 Mar 2014

British Dental Jnl
@The_BDJ

@DUEE_GAR How hard is it to put clinical research into practice? #BDJChat

10:19am - 27 Mar 2014

Duee - Dueec
@DUEE_GAR

@The_BDJ Legislation and regulation are definitely limiting factors in most of countries. Sometimes, too much... shame #BDJChat

10:22am - 27 Mar 2014