

Book Reviews

Review of: Dental Instruments: A Pocket Guide, Third Edition

Bartolomucci Boyd LR
Saunders Elsevier, 2009
St. Louis, Missouri
688 pages, illustrated, soft cover
ISBN: 978-1-4160-4619-6
Price: \$39.95

Review by Lynne C. Hunt, RDH, MS, clinical instructor

Dental Instruments: A Pocket Guide, Third Edition is designed for student learning via a flashcard method or for quick reference for the dental professional in a clinical setting. Its portable size and flip style pages are ideal for the student on the go or for storage in the operatory for future reference. The third edition includes 3 new chapters: Chapter 13, Preventive and Sealant Instruments and Bleaching Trays; Chapter 19, Dental Materials Equipment; and Chapter 20, Dental Radiography Equipment. In addition, Boyd has added more instruments, equipment, and new tray setups to the following chapters: Chapter 12, Hygiene Instruments; Chapter 14, Orthodontic Instruments; and Chapter 17, Oral Surgery Extraction Instruments.

Included in the guide is access to an EVOLVE website. To enhance learning, students can take quizzes, participate in drag-and-drop tray setup exercises, and view photos of instruments and equipment being used in a clinical environment. Instructors have access to instrument and equipment photos, teaching ideas, a 200-question test bank, and tray setup quizzes.

This well-organized guide begins with basic dental instruments used in general dental practice (including dental hygiene instruments), moves through the instruments used in dental specialty practices (endodontics, orthodontics, oral surgery, periodon-

tics) and ends with sterilization, dental materials, and dental radiography equipment. Each instrument or type of equipment is introduced with clear photographs or drawings followed by bulleted text describing function, characteristics, and practice notes. Included in the practice note section is information on how to dispose of or sterilize the equipment or dental material in question. In most chapters a photo and description of a tray setup follows the introduction of the separate instruments. A tray setup of topical anesthetic (Oraqix) would be helpful in the chapter on anesthesia.

While this guide is not meant to be a catalogue of products, it is very thorough in its scope. At first glance, the guide appears to be more applicable to dental assistants and dental students than dental hygienists. Boyd, however, stresses the fact that it is very important for all members of the dental team to have a thorough knowledge of the instruments used in the office. Often, dental hygienists are less knowledgeable about the instruments and tray setups of procedures other than those they perform every day. The dental instrument diagrams, descriptions, photos, and clear, concise text of this guide would be a remarkable resource for the practicing dental hygienist.

Review of: Ten Cate's Oral Histology: Development, Structure, and Function

Antonio Nanci
Mosby/Elsevier, 2008
St. Louis, Missouri
413 pages, illustrated, indexed
ISBN: 978-0-3230-4557-5
Price: \$81.56

Review by Stacy McCauley, RDH, MS

This textbook, divided into 14 chapters with 395 pages of content, is an excellent overview of oral histol-

ogy authored by Dr. Antonio Nanci. The content is supported frequently throughout the book with excellent, easy to understand diagrams and photos. The book begins with a brief overview of the structures of the oral tissues. The next 2 chapters contain well written and illustrated explanations of the embryologic growth process. The next 5 chapters move the student through the various aspects of the development and physiology of the teeth, supporting structures and alveolar bone. The latter chapters highlight the tooth eruption and shedding process, salivary glands, the oral mucosa, the temporomandibular joint, and the regenerative process associated with oral tissues. Dental hygiene educators will find this book to be well organized, sequenced appropriately, and extremely comprehensive in explaining the oral histological process.

This book will also be found useful in supporting the didactic content presented in the dental hygiene curriculum. The "Topics for Consideration" sections were an excellent addition to the conclusions of most of the chapters. These sections seemed to bring in the clinical application and/or clinical relevance of the content discussed in a particular chapter. Although an excellent addition to the textbook, more clinical applications added to the "Topics for Consideration" related to cleft lip and palate would have benefited the book. The author could have briefly explained both cleft palate obturators and the surgical techniques used to correct both cleft lip and palate. This could have also been supported by pictures of the prosthetics and before and after photos of surgical cases. In chapter 4, the author could have elaborated a bit more in the content area related to MMP's and Collagenase. These are fundamental concepts in the inflammatory process, the healing process,

and the disease process. Dental hygiene students would benefit from further explanation of MMP's and Collagenase. The author could have added a "Topics for Consideration" related to how low dose Doxycycline in periodontal therapy affects the Collagenase enzyme. Additionally, more clinical relevance could have been discussed in a "Topics for Consideration" section in chapter 6, related to bisphosphonates and the im-

pact on bone. Finally, the textbook sufficiently explains the dentin hypersensitivity phenomena. It might have been helpful to have the author include how various anti-sensitivity products work to reduce dentin hypersensitivity (i.e. Potassium Nitrate versus Sodium Fluoride).

For the entry level dental hygiene student, this textbook fully meets the expectations of a comprehensive oral histology textbook. The

content is written in an easy to follow manner and is fully supported by well diagramed pictures, charts, and diagrams. The "Topics for Consideration" sections are an excellent addition to the conclusion of the chapters. In conclusion, in concert with their clinical dental hygiene textbooks, dental hygiene educators will find this textbook valuable to include in the curriculum.