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Review of: Atlas of Cosmetic Dentistry: A Patient's Guide

Anne Gwozdek

Reviewed by Anne Gwozdek, RDH, BA, private practice dental hygienist and adjunct clinical faculty member at the University of Michigan, Ann Arbor.

Landau MJ

Quintessence Publishing Co., Carol Stream, Illinois, 2004

34 pages, illustrated, indexed, hardcover

ISBN: 0-86715-428-4

\$198.00

Author Mark J. Landau, DDS, developed the *Atlas of Cosmetic Dentistry: A Patient's Guide* in response to his need to communicate more effectively with his patients. Landau found that patients better understood and accepted treatment when they had opportunities to view examples of proposed options.

For patients and professionals to get the most from this text, Landau includes an accompanying four-page guide, "How to Use This Atlas." He suggests that the *Atlas*, which can be displayed via a fold-out base, be placed in reception areas and treatment rooms to stimulate dialogue about available treatment possibilities. In addition to facilitating conversation, Landau planned this text to "educate, motivate, and inspire patients to accept treatment that can change their lives."

The *Atlas of Cosmetic Dentistry: A Patient's Guide* is divided into seven topic areas:

porcelain laminate veneers and crowns

composite bonding

tooth whitening

bridges

dental implants

periodontics

orthodontics

Each page addresses a specific area of oral health treatment. For example, page five covers the topic "Gap Between Front Teeth." Through photographs and text, the "problem" of a diastema is presented. The "solution" is also discussed through bulleted text and photos that identify the process of diagnostic wax-up and the fabrication of veneers. Both the problem and the solution are communicated succinctly. A patient would make optimal use of this guide if it were paired with discussion with an oral health care professional. Dental terminology is used throughout, and the patient will likely need assistance to digest the content.

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Review of: Oral Radiology: Principles and Interpretation

Jacqueline Brian

Reviewed by Jacqueline Brian, LDH, MSED, professor at Indiana University-Purdue University, Fort Wayne, Indiana.

White SC and Pharoah MJ

Mosby, 5th Edition.

St. Louis, Missouri, 2004

760 pages, illustrated, indexed, hardcover

ISBN: 0-323-02001-1

\$89.00

In the latest edition of *Oral Radiology: Principles and Interpretation*, the authors provide the most up-to-date information on diagnostic imaging, and they clearly describe the essential principles of image production and interpretation. The text is enhanced by more than 1,000 strategically placed radiographs and illustrations, including expansive imaging techniques like MRI and CT, and all-encompassing discussions of interpretation and pathology.

This text has 31 chapters, each of which includes sections that address clinical features, differential diagnosis, and clinical management. These chapters are grouped into five sections, with Parts IV and V being the most extensive.

Part I addresses the physics of ionizing radiation; Part II discusses the biologic effects of radiation, and Part III covers radiation safety and protection. Part IV has two chapters, “Panoramic Imaging” and “Extraoral Radiographic Interpretation,” that have been rewritten to emphasize interpretation. Special attention has been given to help the student discern normal anatomy on panoramic and skull abnormalities. Another chapter on digital imaging has been added to include the different types of imaging and the advantages and limitations of clinical use. Leading edge technology—cone-beam tomography—has been introduced in this section as well. The 17 chapters in Part V, *Radiographic Interpretation of Pathology*, feature conditions such as inflammatory benign and malignant diseases of the bone and jaw, TMJ dysfunction, paranasal sinuses, calcifications, and trauma.

Even though this text is written for oral health care students and practitioners, oral radiologists, and radiologists, this resource of oral radiology would be worthwhile to include in any dental hygiene library.

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Review of: Handbook of Nitrous Oxide and Oxygen Sedation

Ann E Spolarich

Reviewed by Ann Eshenaur Spolarich, RDH, PhD, a physiologist, practitioner, and independent research consultant in Cave Creek, Arizona.

Clark M and Brunick A

Mosby, 2nd edition

St. Louis, Missouri, 2003

236 pages, indexed, illustrated, paperback

ISBN: 0-323-01977-3

\$38.95

The Handbook of Nitrous Oxide and Oxygen Sedation, now in its second edition, is marketed as a chairside reference guide for oral health care and other health professionals to use in the delivery of nitrous oxide sedation. The book is written in a concise and bulleted format to facilitate reading and to locate information quickly and easily. This edition has been expanded from the original and now includes additional detailed information about the effects of nitrous oxide on various body systems and special multidisciplinary applications. A review of the American Society of Anesthesiologists (ASA) classification guidelines is included to assess patients with medical risk who may be candidates for sedation.

The book is divided into three main sections. Of special merit in the first section, *Introduction to Nitrous Oxide/Oxygen Sedation*, is chapter 7, "Economic Benefits Associated with N₂O/O₂ Administration," which details an actual breakdown of income potential and practice remuneration when providing nitrous oxide sedation services to patients. This is a unique attribute that very few other resources provide to readers. Section I as a whole, however, is perhaps the least useful section to dental hygienists, especially to those who may already be familiar with this type of sedation technique. While interesting, the historical overview of the discovery and early uses of nitrous oxide is extraneous and not practical to include in a chairside text. Discussions of the physical properties and characteristics of gases, as well as the chapters on manufacturing and distribution, are also too detailed and cumbersome to be useful to a clinician.

This is not to imply that the information is neither important nor useful. To be fair, health professionals, including anesthesiology students, who are unfamiliar with nitrous oxide may find the information described in these chapters to be highly relevant and necessary. However, most dental hygienists would benefit more from a summary section with bulleted key points discussed in each of these chapters to ease the burden of learning this material. It also seems that this amount of material would be best suited for a regular textbook devoted to sedation, with chapters 4, 5, and 6 streamlined into one chapter.

Section II: Anatomy, Physiology and Administration contains the most valuable and practical information for dental hygienists. The nine chapters found within this section are an excellent resource for dental hygiene educators who are teaching sedation techniques for the first time. These chapters are extremely well written and offer detailed, yet concise,

information that will ease the learning process for dental hygiene students. Chapters 8 and 9 offer an excellent review of the respiratory system and describe how nitrous oxide interacts with the body. Difficult physiologic concepts are simplified and easy to understand. Discussions about oxygen saturation in the body, recommendations to reduce risk for diffusion hypoxia, and the rationale for providing post-operative oxygenation are supported by the review of normal respiratory and blood gas physiology. Especially notable are the discussions related to system effects and patient selection criteria for sedation. Chapter 10 is a helpful guide for ASA risk assessment, improved history taking, and emergency preparedness.

The best chapters for use at chairside are chapter 12, "Signs and Symptoms of N₂O/O₂ Sedation," and chapter 13, "Technique for N₂O/O₂ Administration." These chapters provide step-by-step details about equipment set-up and evaluation, patient preparation, and nitrous oxide administration. Bulleted points include what patients may expect when receiving nitrous oxide, characteristics to observe in the sedated patient, and signs of overdose. Summary boxes list critical learning concepts, and photographs and illustrations supplement the text by visually depicting these key concepts. Dental hygiene students and practitioners alike will greatly appreciate this section of the book. Practitioners who work with children will find chapter 16, a new feature of this second edition, to be a very helpful guide for administering sedation to pediatric patients.

Section III: Issues of Special Consideration addresses ethical and legal considerations related to nitrous oxide administration, biohazards associated with chronic exposure, and substance abuse. Chapter 20, which students could use as a study guide, provides answers to commonly asked questions. Other noteworthy features of this book are found in the appendices, including a detailed resource list about manufacturers and organizations that regulate nitrous oxide production, distribution, and usage. This reviewer especially liked the sample forms that practitioners can photocopy and use for record-keeping in their offices. For further study, each book chapter contains a complete list of references, and many chapters include a list of suggested readings.

Overall, this text is an excellent resource for both dental hygiene students and practitioners. Educational institutions and private care settings should include this book in their reference libraries. The authors are to be commended for creating this practical and useful reference guide to improve the delivery of nitrous oxide sedation to patients in the oral health care setting.

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Review of: Spanish Terminology for the Dental Team (Terminologia En Espanol Para El Equipo Dental)

Cassandra Holder-Ballard

Reviewed by Cassandra Holder-Ballard, RDH, MPA, associate professor of dental hygiene at the University of Tennessee Health Science Center, Memphis.

Finkbeiner BL et al.

Mosby

St. Louis, Missouri, 2004

302 pages, indexed, paperback, CD-ROM

ISBN: 0-323-02536-6

\$29.95

Spanish Terminology for the Dental Team (Terminologia En Espanol Para El Equipo Dental), a self-paced instructional textbook, is an excellent resource for all oral health care professionals at any level of Spanish proficiency. This paperback text, which opens by providing readers with a foundation in the Spanish alphabet, pronunciations, and parts of speech, is organized for easy use by individuals with no skills or formal training in speaking Spanish. The text also provides professional terminology for fluent speakers who need help with specific, occupational vocabulary. An included audio CD-ROM provides an excellent resource for oral health care professionals who are pursuing fluency in Spanish.

The objective of this book is to assist oral health care professionals who desire to master the Spanish language as it relates to oral health, or who need a resource for interacting with Spanish-speaking clientele. The book is organized in a logical sequence of how oral health teams interact with patients, from the initial greeting to various types of oral health treatment to scheduling the next appointment. The text's 27 chapters are organized into subtopics written in English, followed by the Spanish translation. Examples of typical English dialogue that oral health care professionals are likely to have with patients are written in both English and Spanish. Therefore, if oral health office personnel are reluctant to speak in Spanish, they could use the text and simply point to phrases they are attempting to communicate to their patients.

The text is organized into three major sections. Part I covers general communication and administration. These five chapters concentrate on treating patients with courtesy, speaking to children, emergency protocol, office administration, and common patient questions and responses. Part II, which spans the next 13 chapters, addresses patient evaluation and planning. This section begins with various patient assessments, including patient history, overall health assessment, oral hygiene assessment, and exams (i.e. radiographic, dental, periodontal). These chapters also highlight typical dialogue likely to occur between practitioners and patients. The last nine chapters, Part III, deal with the delivery of specific types of oral health treatment, including preventive care, restorative treatment, periodontal therapy, endodontic treatment, orthodontic treatment, prostodontic treatment, tooth whitening, cosmetic restorations, extractions and oral surgery, and post-operative care.

The text's comprehensive glossary includes general topics, such as days of the week and months of the year, and specific health-related topics, such as health terms, medications, and dental terms. Following the glossary is an extensive, alphabetical, English-to-Spanish vocabulary list. This text is also supplemented with a CD-ROM that provides the English-to-Spanish translation of every phrase in the book. English phrases are spoken by an American, and Spanish phrases are delivered by a Columbian speaker. The audio requires QuickTime 6.1 or higher, which is available to download at no cost, and the CD-ROM is compatible with both Macintosh and Windows-based computers.