

## HEAD AND NECK ANATOMY FOR DENTAL MEDICINE

By Eric W. Baker, Thieme Publishing, New York, NY, 2010, 384 pp, \$64.95

Based on the work of authors Michael Schuenke, Erik Schulte, and Udo Shumacher, and artists Markus Voll and Karl Wesker, Eric W. Baker has put together *Head and Neck Anatomy for Dental Medicine*. This soft-cover edition with 384 pages and more than 900 illustrations guides the reader through an organized layout of the head and neck with informative text and descriptive color illustrations. Applicable primarily to first-year dental students, dental hygienists, general dental residents, and oral and maxillofacial surgery residents, *Head and Neck Anatomy for Dental Medicine* provides a comprehensive and thorough review of the head and neck region.

The book begins with chapters 1 through 4 leading the reader through a systematic approach of the head that begins with the cranial bones. From the development of the cranial bones to a detailed description and illustration of each individual bone, the text provides a simplistic way of learning bony anatomy before introducing the more complex structures. The author included numerous views of the skull; however, a mid-sagittal view would add value for the reader. The text continues with the addition of the muscles, vasculature, and nerve innervations providing a precise look at their location in each region of the head. These chapters conclude with comprehensive descriptions of each cranial nerve and outstanding vignettes illustrating all 12. Chapter 5 continues with a description of the anatomy of the head by incorporating the various components via color illustrated neurovascular topography. The next chapters, 6 through 9, describe the various regions of the head, including the orbit and eye, nose and nasal cavity, temporal bone and ear, and the oral cavity and perioral areas. The book describes each region by using a systematic approach with text and full-color illustrations that discuss each component. Of particular interest to the reader is a comprehensive and detailed description of the oral cavity, perioral region, and dentition. While most of the illustrations and text are focused on the bone

and muscles that make up the oral cavity, there are very few that depict the vasculature and nerve innervations of this area of the head. Overall, these chapters give the reader knowledge of the anatomy and a fairly complete understanding of the regions that compose the head.

The text proceeds into the description and illustration of the neck region with chapters 10 through 12. These represent an overview of the neck region and serve to provide the reader with a distinct understanding of the anatomy of the neck. It is a concise description of the bones, ligaments, muscles of the neck, description of the larynx, and overview of the neurovascular topography of the neck. The high-quality illustrations, including the nerve and artery depictions, give the reader an appreciation of the intricate anatomy of the neck. Chapter 13, which is an important component of head and neck anatomy, presents the reader with a gross overview of neuroanatomy (although an entire book could be devoted to this topic). It includes a brief description of the brain, spinal cord, cerebrospinal fluid spaces, dural sinuses, arteries of the brain, and discussion of the neurons.

The final chapter of *Head and Neck Anatomy for Dental Medicine* includes a broad description of sectional anatomy. This is very useful to the student reader, especially the transition from the full-color illustration sections to the corresponding MRI of each area. The sections progress from coronal to transverse and sagittal. Correlating the clinical radiology allows the reader to gain a comprehensive understanding of the head and neck. A section devoted to dental anesthesia with color illustrations demonstrating correct hand and instrument positioning would have added value to the book.

In summary, *Head and Neck Anatomy for Dental Medicine* is a detailed and comprehensive atlas that guides the reader through the anatomy of the head and neck. With color illustrations, abundant text, and a smooth progression between topics, this book would benefit anyone taking a dental anatomy course or serve as an excellent reference text for the dental practitioner.

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This anatomy textbook excels at every level and is highly recommended to all students and practitioners involved in treating any aspect of the head and neck. - -Journal of Clinical Oncology. Head and Neck Anatomy for Dental Medicine combines concise but thorough explanatory text with stunning full-color illustrations to guide the reader through every structure of the head and neck. Its exquisite artwork and detailed coverage make this atlas an essential learning tool and reference for every student and practitioner of dental medicine. It will also be useful for otolaryngologists, speech pathol