



Neuroscience for Dentistry

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Description

A practical, reader-friendly guide for dental students on the neuroscience of the orofacial region

Understanding neural mechanisms that control orofacial pain, proper masticatory function, taste, speech, swallowing, and proprioceptive input to the temporomandibular joint and teeth is an important facet of dentistry. *Neuroscience of Dentistry* by renowned educators Barbara J. O'Kane and Laura C. Barritt provides foundational knowledge on these topics. The text integrates fundamental concepts of general neuroscience with vital information on neural mechanisms of the orofacial region and associated pain pathways.

The book is organized in two parts covering basic neuroscience and orofacial neuroscience. Part one is subdivided into four units on the central nervous system, brain and spinal cord gross anatomy, sensory systems, and motor systems. Part two features three units focused on orofacial structures and tissues, dental structures, and orofacial pain and anesthesia. Each generously illustrated, succinctly written, and consistently formatted chapter includes an introductory overview and learning objectives.

Key Highlights

- ▶ Throughout the book, relevant clinical correlations emphasize the relationship between basic neuroscience and clinical practice
- ▶ Concise, high-yield illustrations, schematics, charts, and tables enhance understanding of general and orofacial neuroanatomy concepts
- ▶ Helpful overviews at the beginning of each chapter highlight key concepts
- ▶ National board style questions at the end of each chapter emphasize board-relevant information that enables self-study

This is a must-have resource for dental students taking neuroscience during their first or second year of dental school. It will also benefit other health science and dental hygiene students, as well as oral and maxillofacial surgery residents.

This book includes complimentary access to a digital copy on <https://medone.thieme.com>.

