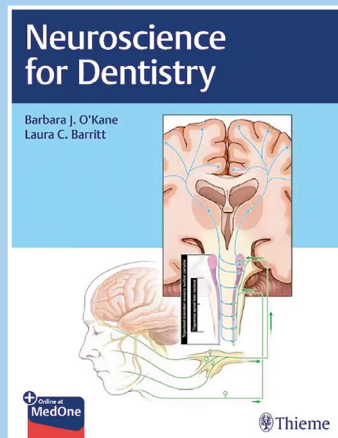


## BOOK REVIEW

**Neuroscience for Dentistry**Compiled by **Roshni Patel**

Edited by Barbara O'Kane and Laura Barritt  
2022; Thieme  
520 pages  
ISBN-10: 1626237816

Written by a panel of experts, *Neuroscience for Dentistry* is important for those wanting to develop their understanding into the

sometimes confusing and convoluted topic of foundational and specific head and neck neuroscience, by delivering it in an in-depth and easy to understand manner.

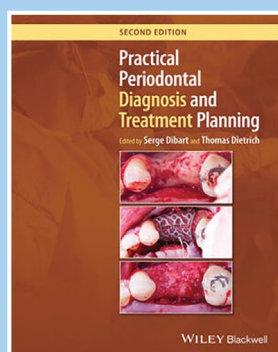
Intended for a dental audience, this book uniquely focuses on head and neck neuroscience, unlike most existing texts, allowing readers to have a comprehensive textbook incorporating the orofacial region but in the context of general neuroscience.

This inaugural edition is divided into two sections – fundamental neuroanatomy and orofacial neuroscience. The latter focuses on a variety of topics including cranial nerves; neuromuscular control of mastication, speech and swallowing; the temporomandibular joint; salivary glands; teeth; orofacial pain and local anaesthesia. Despite the vast number of topics covered, this is easily navigable through the table of contents with specific headings and subheadings to facilitate ease of use. The summaries in the learning objectives sections highlight the take home messages for each chapter and clinical correlation segments integrated throughout the text emphasise the relevance of the neuroscience to clinical disorders.

The book is presented well with the appropriate use of clinical photographs and tables where necessary, to demonstrate points made. Accurate and self-explanatory diagrams and illustrations mean that even the most complex neural pathways and anatomy become easier to visualise and therefore understand. The writing style is easy to comprehend without compromising any scientific integrity.

By its own admission, although written for dental students, this is not the sole target audience and instead highlights other healthcare professionals and students who would also find this book useful. Having been targeted at an American audience, at the end of each chapter are national board style questions to emphasise board-relevant information, however these questions are also useful for an international cohort allowing for self study and assessment of one's own knowledge.

Overall, this book provides a helpful overview of neuroscience, with the potential to be a good resource for those specifically requiring a more orofacial oriented textbook, to improve their understanding and knowledge.

**Practical Periodontal Diagnosis and Treatment Planning, 2nd Edition**Compiled by **Pete Folly**

Edited by Serge Dibart and Thomas Dietrich  
2024; Wiley  
528 pages  
eISBN 9781119830320

New this month, the latest edition of this textbook delves into the principles of

periodontal and dental implant therapy, with a focus on accurate diagnoses and well-rounded, pragmatic treatment planning. The reader is guided systematically from risk assessment through minimally invasive therapies to rehabilitation, whether through surgical tissue regeneration or implant therapy. The book has been updated to reflect the complexities of the 2017 International Workshop Classification of Periodontal and Peri-implant Diseases and Conditions, explaining the staging and grading system and discussing how to use the classification in clinical practice.

The book takes an evidence-based approach to diagnosis and treatment, and includes a digital workflow for smooth intraoral rehabilitation; practical instructions for periodontal procedures such as osseous resective surgery, regenerative and supportive periodontal therapy and dental implant complication

management; analysis of the use of Botox and dermal fillers as an alternative to surgical treatment; the discussion of periodontal disease presentations including occlusion, scaling, and root planing.

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