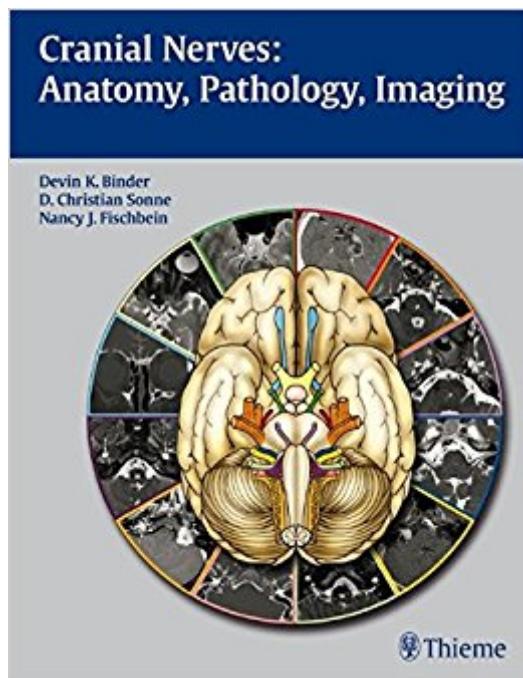


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# Cranial Nerves: Anatomy, Pathology, Imaging



## Synopsis

"Unique...provid[es] clear, concise descriptions...the first of its kind to offer a detailed look at the imaging findings of each cranial nerve in both normal and pathological states."--Journal of Neurosurgery" This book reaches its objective. It must be part of the library of the neurological surgery student as a useful tool for understanding basic anatomy and physiology, as well as the most common pathologies and the basic neuroradiology of the cranial nerves. We strongly recommend it."-- World Neurosurgery" This book is of interest to everyone who aims a solid understanding of the cranial nerves." --Central European NeurosurgeryThis beautifully illustrated book combines a detailed exposition of the anatomy and function of the cranial nerves with practical coverage of clinical concepts for the assessment and differential diagnosis of cranial nerve dysfunction. An introductory chapter provides a brief overview of cranial nerve anatomy and function, skull base anatomy, classification of pathologies, and imaging approaches. Each of the twelve chapters that follow is devoted to in-depth coverage of a different cranial nerve. These chapters open with detailed discussion of the various functions of each nerve and normal anatomy. The authors then describe common lesions and present a series of cases that are complemented by CT images and MRIs to illustrate disease entities that result in cranial nerve dysfunction. FeaturesConcise descriptions in a bulleted outline format enable rapid reading and review Tables synthesize key information related to anatomy, function, pathology, and imaging More than 300 high-quality illustrations and state-of-the-art CT and MR images demonstrate important anatomic concepts and pathologic findings Pearls emphasize clinical information and key imaging findings for diagnosis and treatment Appendices include detailed information on brainstem anatomy, pupil and eye movement control, parasympathetic ganglia, and cranial nerve reflexesThis book is an indispensable reference for practicing physicians and trainees in neurosurgery, neurology, neuroradiology, radiology, and otolaryngology-head and neck surgery. It will also serve as a valuable resource for students seeking to gain a solid understanding of the anatomy, function, and pathology of the cranial nerves.

## Book Information

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"[The authors] should be congratulated...unique...fills a void in the neuroanatomical literature by providing clear, concise descriptions...the first of its kind to offer a detailed look at the imaging findings of each cranial nerve in both normal and pathological states...a useful volume for both the current generations of professionals and those to come."--Journal of Neurosurgery symptoms presented by each particular process.In conclusion, the book is of high quality because of the clear, didactic information provided and its iconography, and it will be definitely useful to the resident approaching the study of neuroradiology and to more senior members of the department as an informative textbook to consult.--Clinical Imaging In summary the book is a useful and enjoyable look into the teaching files of some terrific and experienced neuroscientists- Radiology This book reaches its objective. It must be part of the library of the neurological surgery student as a use[The authors] should be congratulated...unique...fills a void in the neuroanatomical literature by providing clear, concise descriptions...the first of its kind to offer a detailed look at the imaging findings of each cranial nerve in both normal and pathological states...a useful volume for both the current generations of professionals and those to come.--Journal of Neurosurgery symptoms presented by each particular process.In conclusion, the book is of high quality because of the clear, didactic information provided and its iconography, and it will be definitely useful to the resident approaching the study of neuroradiology and to more senior members of the department as an informative textbook to consult.--Clinical Imaging In summary the book is a useful and enjoyable look into the teaching files of some terrific and experienced neuroscientists- RadiologyThis book reaches its objective. It must be part of the library of the neurological surgery student as a useful tool for understanding basic anatomy and physiology, as well as the most common pathologies and the basic neuroradiology of the cranial nerves. We strongly recommend it.-- World Neurosurgery"This book is of interest to everyone who aims a solid understanding of the cranial nerves. "Central European NeurosurgeryWell illustrated...[in] well laid out format..the images are of high quality, and

the material covers a wealth of pathology.--American Journal of NeuroradiologyProvides a comprehensive yet easy-to-read review of the cranial nerves...provides an accurate and detailed description of anatomy and function of each nerve. Few comprehensive review books have been written on the subject of cranial nerves that include detailed radiology information such as this book...a repetitive and predictable bullet-style format offering the busy clinician a quick review between seeing patients...an excellent review...a user-friendly reference book...an easy to read, yet comprehensive reference guide for the busy clinician...a useful supplement...excellent quality of the diagrams and imaging pictures.--Head & NeckFills a traditional void in the clinical neuroscience literature. Particularly noteworthy is Appendix A which succinctly covers the complex realm of brainstem anatomy and function...a unique, and thus important, addition to the Neurological as well as medical education literature.--MedicalScienceBooks.comA comprehensive review of the cranial nerves using a problem-based format...good resource for board preparation...high-yield...provid[es] great imaging [and] helpful graphs and figures...the cases are a great way to learn.--Doody's Review

"Unique...provid[es] clear, concise descriptions...the first of its kind to offer a detailed look at the imaging findings of each cranial nerve in both normal and pathological states.--Journal of Neurosurgery""This book reaches its objective. It must be part of the library of the neurological surgery student as a useful tool for understanding basic anatomy and physiology, as well as the most common pathologies and the basic neuroradiology of the cranial nerves. We strongly recommend it.-- World Neurosurgery""This book is of interest to everyone who aims a solid understanding of the cranial nerves. --Central European Neurosurgery"This beautifully illustrated book combines a detailed exposition of the anatomy and function of the cranial nerves with practical coverage of clinical concepts for the assessment and differential diagnosis of cranial nerve dysfunction. An introductory chapter provides a brief overview of cranial nerve anatomy and function, skull base anatomy, classification of pathologies, and imaging approaches. Each of the twelve chapters that follow is devoted to in-depth coverage of a different cranial nerve. These chapters open with detailed discussion of the various functions of each nerve and normal anatomy. The authors then describe common lesions and present a series of cases that are complemented by CT images and MRIs to illustrate disease entities that result in cranial nerve dysfunction. FeaturesConcise descriptions in a bulleted outline format enable rapid reading and review Tables synthesize key information related to anatomy, function, pathology, and imaging More than 300 high-quality illustrations and state-of-the-art CT and MR images demonstrate important

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Highly readable. Enjoyable. Every radiologist reading brain MRI should know the course of every cranial nerve from brainstem nuclei to the nerve end point and its branches with the relationship to other important structures in the cranium and extra cranial course. Valuable for medical students, radiology residents, neuroradiology fellows, practicing diagnostic and neuroradiologist's or others in the neural sciences requiring an easy but valuable and concise text.

Cranial Nerves: Anatomy, Pathology, and Imaging is a wonderful book for imaging. I showed this to our Neuroscience module director, and he immediately asked where he could get the digital images to use on tests. The explanations were very thorough and the introduction to each cranial nerve was very helpful in orienting oneself within the brain/brainstem. This book was a bit above the level of understanding required for a second year medical student, but I absolutely plan to keep it on hand for my neurology and radiology rotations.

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