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british medical association book award winner student textbook of the year 2018 everything you need to know about neuroanatomy and neuroscience at a glance neuroanatomy and neuroscience at a glance is a highly illustrated quick reference guide to the anatomy biochemistry physiology and pharmacology of the human nervous system each chapter features a summary of the anatomical structure and function of a specific component of the central nervous system a section on applied neurobiology outlining how to approach a patient with neurological or psychiatric problems aligned to the chapter topic standard diagnostic procedures for most common scenarios as well as an overview of treatment and management options this fully updated and expanded new edition includes dozens of full page colour illustrations and neurological scans expanded coverage of techniques to study the nervous system more practical information on the neurological exam new content on neuropharmacology and drug therapies bullet points and bold terms throughout assist with revision and review of the topic neuroanatomy and neuroscience at a glance is the ideal companion for students embarking on a neuroanatomy or neuroscience course and is an excellent reference tool for those in clinical training an updated companion website with new clinical cases multiple choice self assessment questions revision slides and downloadable illustrations and flashcards is available at ataglanceseries.com/neuroscience

neuroanatomy and neuroscience at a glance provides a user friendly introduction to the anatomy biochemistry physiology and pharmacology of the human nervous system within one succinct highly illustrated volume the double page spreads begin by summarising the anatomical structure and function of the different components of the central nervous system followed by a section on applied neurobiology which outlines how to approach the patient with neurological and psychiatric problems and provides an overview of treatment and management options key features of this fourth edition include a manageable overview of the structure and function of the central nervous system full guidance on how to approach the patient with neurological problems and the investigations used in the most common scenarios cases highlighting the clinical relevance of the basic neuroscience new chapters on the major neurotransmitters of the cns and their functions the enteric nervous system and stroke a fully updated companion website with interactive self assessment questions and case studies flashcards and revision notes at ataglanceseries.com/neuroscience

and neuroscience at a glance is the ideal companion for anyone about to start a basic neuroanatomy or neuroscience course or can be used as a refresher for those in clinical training

utilizing clear text and explanatory artwork to make clinical neuroanatomy and neuroscience as accessible as possible this newly updated edition expertly integrates clinical neuroanatomy with the clinical application of neuroscience it is widely regarded as the most richly illustrated book available for guidance through this complex subject making it an ideal reference for both medical students and those in non medical courses complex concepts and subjects are broken down into easily digestible content with clear images and concise straightforward explanations boxes within each chapter contain clinical information assist in distilling key information and applying it to likely real life clinical scenarios chapters are organized by anatomical area with integrated analyses of sensory motor and cognitive systems and are designed to integrate clinical neuroanatomy with the basic practices and clinical application of neuroscience opening summaries at the beginning of each chapter feature accompanying study guidelines to show how the chapter contents apply in a larger context core information boxes at the conclusion of each chapter reinforce the most important facts and concepts covered bulleted points help expedite study and retention explanatory illustrations are drawn by the same meticulous artists who illustrated gray's anatomy each chapter includes accompanying tutorials available on student consult student consult ebook version included with purchase this enhanced ebook experience includes access on a variety of devices to the complete text images review questions and tutorials from the book thoroughly updated content reflects the latest knowledge in the field

ideal for both medical students and those in non medical courses fitzgerald's clinical neuroanatomy and neuroscience 8th edition uses clear understandable text and outstanding artwork to make a complex subject easily accessible this award winning title is known for superb illustrations and high readability expertly integrating clinical neuroanatomy with the clinical application of neuroscience organizes chapters by anatomical area with integrated analyses of sensory motor and cognitive systems breaks complex concepts and subjects into easily digestible content with clear images and concise straightforward explanations features explanatory illustrations drawn by the same meticulous artists who illustrated gray's anatomy includes new basic science panels that highlight an emerging or relevant basic science concept to expand your learning in specific content areas provides access to the student consult enhanced ebook which contains tutorials for each

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it is truer in neurology than in any other system of medicine that a firm knowledge of basic science material that is the anatomy physiology and pathology of the nervous system enables one to readily arrive at the diagnosis of where the disease process is located and to apply their knowledge at solving problems in clinical situations the purpose of this textbook is to enable a neuroscientist to discuss the structure and functions of the brain at a level appropriate for students at many levels of study including undergraduate graduate dental or medical school level the authors have a long experience in teaching neuroscience courses at the first or second year level to medical and dental students and to residents in which clinical information and clinical problem solving are integral to the course the authors reach this object by integrating basic sciences with neurological clinical cases containing mri ct or fmri images

human neuroanatomy 2nd edition is a comprehensive overview of the anatomy of the human brain and spinal cord the book is written at a level to be of use as a text for advanced students and a foundational reference for researchers clinicians in the field building on the foundations of first edition this revision looks to increase user friendliness and clinical applicability through improved figures and the addition of illustrative case studies written by james r augustine with decades of experience teaching and researching in the field human neuroanatomy authoritatively covers this fundamental area of study within the neurosciences

newly revised and updated a textbook of neuroanatomy second edition is a concise text designed to help students easily master the anatomy and basic physiology of the nervous system accessible and clear the book highlights interrelationships between systems structures and the rest of the body as the chapters move through the various regions of the brain building on the solid foundation of the first edition a textbook of neuroanatomy now includes two new chapters on the brainstem and reflexes as well as dozens of new micrographs illustrating key structures throughout the book the clinical relevance of the material is emphasized through clinical cases questions and follow up discussions in each chapter motivating students to

learn the information a companion website is also available featuring study aids and artwork from the book as powerpoint slides a textbook of neuroanatomy second edition is an invaluable resource for students of general clinical and behavioral neuroscience and neuroanatomy

clearly written and highly illustrated this new greatly expanded fourth edition approaches neuroanatomy from the clinical perspective emphasizing what needs to be known in order to make effective clinical decisions throughout the text clinical boxes reinforce the authors commitment to preparing students for clinical practice in this new edition each chapter has been rewritten all illustrations are new and the book is full color throughout

fitzgerald s clinical neuroanatomy and neuroscience 8th edition uses clear understandable text and outstanding artwork to make a complex subject easily accessible this award winning title is known for superb illustrations and high readability expertly integrating clinical neuroanatomy with the clinical application of neuroscience publisher s description

a streamlined comprehensive synopsis of neuroanatomy and its functional and clinical applications for more than seventy years clinical neuroanatomy has been the best way for medical students residents trainees in health related fields and clinicians in practice to gain an understanding of neuroanatomy its functional underpinnings and its relationship to the clinic emphasizing the important concepts facts and structures this full color and engagingly written text includes clear memorable tables and diagrams and is state of the art in pathophysiology and diagnosis and treatment of neurological disorders here s why clinical neuroanatomy is essential for board review or as a clinical refresher more than 300 full color illustrations clinical correlations help you interpret and remember essential neuroanatomic concepts in terms of function and clinical application numerous computed tomography ct and magnetic resonance images mris of the normal brain and spinal cord functional magnetic resonance images that provide a noninvasive window on brain function and neuroimaging studies that illustrate common pathological entities that affect the nervous system coverage of the latest advances in molecular and cellular biology in the context of neuroanatomy a unique introduction to clinical thinking section that puts neuroanatomy in a clinical perspective clear easy to read tables that encapsulate important information a complete practice exam to test your knowledge coverage of the basic

structure and function of the brain spinal cord and peripheral nerves as well as clinical presentations of disease processes involving specific structures

gray s clinical neuroanatomy focuses on how knowing functional neuroanatomy is essential for a solid neurologic background for patient care in neurology elliot mancill david brock susan standing and alan crossman present the authoritative guidance of gray s anatomy along with 100 clinical cases to highlight the relevance of anatomical knowledge in this body area and illustrate the principles of localization master complex detailed and difficult areas of anatomy with confidence view illustrations from gray s anatomy and radiographs that depict this body area in thorough anatomical detail apply the principles of localization thanks to 100 brief case studies that highlight key clinical conditions tap into the anatomical authority of gray s anatomy for high quality information from a name you trust presents the guidance and expertise of a high profile team of authors and top clinical and academic contributors

taking a uniquely visual approach to complex subject matter this pocket flexibook gives you a full understanding of the basics of neuroscience with 193 exquisite color plates and concise text following in the successful tradition of the basic sciences thieme flexibooks this title presents anatomy physiology and pharmacology of neuroscience you will find in depth coverage of neuroanatomy embryology cellular neuroscience somatosensory processing motor control brain stem and cranial outflow autonomic nervous system and much more the book is designed to supplement larger texts and is ideal as both an introduction to the subject and a complete study guide for exam preparation it will prove invaluable for all medical and biology students

functional and clinical neuroanatomy a guide for health care professionals is a comprehensive yet easy to read introduction to neuroanatomy that covers the structures and functions of the central peripheral and autonomic nervous systems the book also focuses on the clinical presentation of disease processes involving specific structures it is the first review of clinical neuroanatomy that is written specifically for nurses physician assistants nurse practitioners medical students and medical assistants who work in the field of neurology it will also be an invaluable resource for graduate and postgraduate students in neuroscience with 22 chapters including two that provide complete neurological examinations and diagnostic evaluations this book is an ideal

resource for health care professionals across a wide variety of disciplines written specifically for mid level providers in the field of neurology provides an up to date review of clinical neuroanatomy based on the latest guidelines provides a logical step by step introduction to neuroanatomy offers hundreds of full color figures to illustrate important concepts highlights key subjects in focus on boxes includes section reviews at critical points in the text of each chapter

easily master the anatomy and basic physiology of the nervous system in this concise student friendly update of this distinguished textbook a textbook of neuroanatomy has long served as the essential student introduction to the anatomy and systems of the brain covering brain organization neural connections and neural pathways in an accessible style it contains the fundamental neurophysiology of every major brain area now fully updated to reflect the latest research and clinical data it s an essential resource for students in the life sciences with an interest in neuroscience readers of the third edition of a textbook of neuroanatomy will also find new photomicrographic presentations of key anatomical structures new clinically relevant topics in each chapter including board style questions supplemental website incorporating figures quizzes bioinformatics worksheets case studies and more a textbook of neuroanatomy is ideal for advanced undergraduate and graduate students in neuroscience neurology and general clinical behavioral neuroscience and neuroanatomy

this book is unique in that it provides the reader with the most up to date terminology used to describe the human nervous system central and peripheral and the related sensory organs i e the terminologia neuroanatomica tna the official terminology of the ifaa international federation of associations of anatomists the book provides a succinct but detailed review of the neuroanatomical structures of the human body and will greatly benefit not only various specialists such as neuro anatomists neurologists and neuroscientists but also students taking neuroanatomy and neuroscience courses the book offers a high yield combined presentation of neuroanatomical illustrations and text and provides the reader a one stop source for studying the intricacies of the human nervous system and its sensory organs it includes an alphabetical list of official english terms and synonyms with the official latin terms and synonyms from the tna with regard to the entries the name of the item in standardized english is provided followed by synonyms and the official tna latin term latin synonyms and eponyms a short description and in many cases one or more illustrations to facilitate the use of

illustrations certain entries such as the gyri or sulci of the cerebral cortex are presented together with extensive cross references terms that form part of a certain structure such as the amygdaloid body the thalamus and the hypothalamus are listed under the respective structure segments and branches of arteries are discussed under the main artery for example the a1 a5 segments under the anterior cerebral artery most nerves can be found following their origin from the brachial cervical and lumbosacral plexuses however the major nerves of the limbs are discussed separately as are the cranial nerves nuclei can be found by their english name or under nuclei by their eponym

a concise overview of neuroanatomy and its functional and clinical implications includes an excellent review for the usmle as well as cases and a practice exam

computational neuroanatomy is an emerging field that utilizes various non invasive brain imaging modalities such as mri and dti in quantifying the spatiotemporal dynamics of the human brain structures in both normal and clinical populations this discipline emerged about twenty years ago and has made substantial progress in the past decade the main goals of this book are to provide an overview of various mathematical statistical and computational methodologies used in the field to a wide range of researchers and students and to address important yet technically challenging topics in further detail

basic clinical neuroscience offers medical and other health professions students a clinically oriented description of human neuroanatomy and neurophysiology this text provides the anatomic and pathophysiologic basis for understanding neurologic abnormalities through concise descriptions of functional systems with an emphasis on medically important structures and clinically important pathways it emphasizes the localization of specific anatomic structures and pathways with neurological deficits using anatomy enhancing 3 d illustrations basic clinical neuroscience also includes boxed clinical information throughout the text a key term glossary section and review questions at the end of each chapter making this book comprehensive enough to be an excellent board exam preparation resource in addition to a great professional training textbook the fully searchable text will be available online at thepoint

gray s clinical neuroanatomy focuses on how knowing functional neuroanatomy is essential for a solid

neurologic background for patient care in neurology elliot mancill david brock susan standing and alan crossman present the authoritative guidance of gray s anatomy along with 100 clinical cases to highlight the relevance of anatomical knowledge in this body area and illustrate the principles of localization

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