Read Free Noltes The Human Brain An Introduction To Its Functional Anatomy 6th Edition PDF Pdf File Free

Discovering the Brain The Brain Book A History of the Human Brain The Human Advantage The Everything Guide to the Human Brain The Human Brain Human Brain Function Encyclopedia of the Human Brain The Human Brain Discoveries in the Human Brain The Human Nervous System The Human Brain: The CD-ROM Has a simple, easy-to-use layout, thet guides the student through an introduktion to the human nervous system, using text, voice.over and interactive images,including a rotatable model of the brain which allows various substructures to be highlighted Nolte’s The Human Brain E-Book Salience Network of the Human Brain What is Special about the Human Brain? Mental Processes in the Human Brain Descartes' Error Nolte's the Human Brain in Photographs and Diagrams The Brain The Human Brain, its configuration, structure, development, and physiology, illustrated by references to the nervous system in the lower order of animals. With ... plates Atlas of Human Brain Connections The Human Brain The Human Brain The Human Brain Mind Shift From Molecules to Minds Human Brain Secrets of the Human Brain Evolution of the Human Brain: From Matter to Mind Imaging of the Human Brain in Health and Disease Atlas of the Human Brain Language in Our Brain How We Think and Learn How the Brain Works The human brain and cerebellum Horse Brain, Human Brain The Human Brain Plants and the Human Brain Borges and Memory Essentials of the Human Brain E-Book

One of the major challenges of modern neuroscience is to define the complex pattern of neural connections that underlie cognition and behaviour. This atlas capitalises on novel diffusion MRI tractography methods to provide a comprehensive overview of connections derived from virtual in vivo tractography dissections of the human brain. An essential guide for understanding the inner workings of your brain! Do you really only use 10 percent of your brain? Can a bump to the head really restore memories? Does your brain ever lie to you? Why do you always forget where your glasses are, but never how to read? The brain makes you who you are. This fascinating organ creates your personality and controls your reactions and emotions. It's responsible for how you perceive the world around you--all while controlling hundreds of physical functions like breathing, moving, circulation, and digestion. The brain is simply amazing! The Everything Guide to the Human Brain will help you to unlock the mysteries of the brain. You'll learn how the brain communicates with each part of the body, how it affects your emotional life, why you dream, and how you remember things. And you'll also get in-depth descriptions of brain disorders and how science and medicine are working to heal or reverse them. Written in plain English, this ultimate user's guide will help you learn about the most influential part of your body! Evolution of the Human Brain: From Matter to Mind, Volume 250 in the Progress in Brain Research, series documents the latest developments and insights about the origin and evolution of the human brain and mind. Specific sections in this new release include Evolution and development of the human cerebral cortex, Functional connectivity of the human cerebral cortex, Lateralization of the human cerebral cortex, Life history strategies and the human cerebral cortex, Evolution of the modern human brain, On the nature and evolution of the human mind, Origin and evolution of human cognition, Origin and evolution of human consciousness, and more. Presents insights on molecular and cellular mechanisms of human brain evolution Provides a better understanding of the origin and evolution of the human mind Includes information of the neural organization and functional connectivity of the cerebral cortex Popular for its highly visual and easy-to-follow approach, Nolte's The Human Brain helps demystify the complexities of the gross anatomy of the brain, spinal cord and brainstem. A clear writing style, interesting examples and visual cues bring this extremely complicated subject to life and more understandable. Get the depth of coverage you need with discussions on all key topics in functional neuroanatomy and neuroscience, giving you well-rounded coverage of this complex subject. Zero in on the key information you need to know with highly templated, concise chapters that reinforce and expand your knowledge. Develop a thorough, clinically relevant understanding through clinical examples providing a real-life perspective. Gain a greater understanding of every concept through a glossary of key terms that elucidates every part of the text; 3-dimensional brain. Acquaint yourself with the very latest advancements in the field with many illustrations using the most current neuroimaging techniques, reflecting recent developments and changes in understanding. Keep up with the latest knowledge in neural plasticity including formation, modification, and repair of connections, with coverage of learning and memory, as well as the coming revolution in ways to fix damaged nervous systems, trophic factors, stem cells, and more. NEW! Gauge your mastery of the material and build confidence with over 100 multiple choice questions that provide effective chapter review and quick practice for your exams. Student Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, references, and videos from the book on a variety of devices. 170u can climb back up a stream of radiance to the sky, and back through history up the stream of time. 1 -Robert Frost topics that he judged to be important in brain his From the last years of the second millennium, tory leading into the end of the century, and was we can look back on antecedent events in neuro undertaken in response to the enthusiasm gener science with amazement that so much of modern ated by exhibition at several national and interna biomedical science was anticipated, or even said or done, in an earlier time. That surprise can be tional meetings of a series oflarge posters for which matched by appreciation for what the pioneer Magoun wrote a 27-page brochure. The posters investigators, with no inkling that they were creat were viewed by a multitude of young neuroscien ing a discipline, contributed to its emergence as a tists who wanted more, as well as by mature inves productive force in human progress. In today's tigators who were warmly pleased to see familiar names and faces from the past. The acclaim was reductionist atmosphere, in which research at the molecular level is producing breathtaking new accompanied by a veritable deluge of requests for knowledge throughout biology, the student may an illustrated, expanded publication. Since Descartes famously proclaimed, "I think, therefore I am," science has often overlooked emotions as the source of a person’s true being. Even modern neuroscience has tended, until recently, to concentrate on the cognitive aspects of brain function, disregarding emotions. This attitude began to change with the publication of Descartes’ Error in 1995. Antonio Damasio—"one of the world’s leading neurologists" (The New York Times)—challenged traditional ideas about the connection between emotions and rationality. In this wondrously engaging book, Damasio takes the reader on a journey of scientific discovery through a series of case studies, demonstrating what many of us have long suspected: emotions are not a luxury, they are essential to rational thinking and to normal social behavior. The simplest, most visual guide to the brain - ever. Are men's and women's brains really different? Why are teenagers impulsive and rebellious? And will it soon be possible to link our brains together via the Cloud? Drawing on the latest neuroscience research, this visual guide makes the hidden workings of the human brain simple to understand. How the Brain Works begins with an introduction to the brain's anatomy, showing you how to tell your motor cortex from your mirror neurons. It moves on to function, explaining how the brain works constantly and unnoticed to regulate heartbeat and breathing, and how it collects information to produce the experiences of sight, sound, smell, taste, and touch. The chapters that follow cover memory and learning, consciousness and personality, and emotions and communication. With clear, easy-to-understand graphics and packed with fascinating facts, 'How the Brain Works' demystifies the complex processes of the human brain. Brain imaging technology remains at the forefront of advances in both our understanding of the brain and our ability to diagnose and treat brain disease and disorders. Imaging of the Human Brain in Health and Disease examines the localization of neurotransmitter receptors in the nervous system of normal, healthy humans and compares that with humans who are suffering from various neurologic diseases. Opening chapters introduce the basic science of imaging neurotransmitters, including sigma, acetylcholine, opioid, and dopamine receptors. Imaging the healthy and diseased brain includes brain imaging of anger, pain, autism, the release of dopamine, the impact of cannabinoids, and Alzheimer's disease. This book is a valuable companion to a wide range of scholars, students, and researchers in neuroscience, clinical neurology, and psychiatry, and provides a detailed introduction to the application of advanced imaging to the treatment of brain disorders and disease. A focused introduction to imaging healthy and diseased brains Focuses on the primary neurotransmitter release Includes sigma, acetylcholine, opioid, and dopamine receptors Presents the imaging of healthy and diseased brains via anger, pain, autism, and Alzheimer's disease In the past decade, enormous strides have been made in understanding the human brain. The advent of sophisticated new imaging techniques (e.g. PET, MRI, MEG, etc.) and new behavioral testing procedures have revolutionized our understanding of the brain, and we now know more about the anatomy, functions, and development of this organ than ever before. However, much of this knowledge is scattered across scientific journals and books in a diverse group of specialties: psychology, neuroscience, medicine, etc. The Encyclopedia of the Human Brain places all information in a single source and contains clearly written summaries on what is known of the human brain. Covering anatomy, physiology, neuropsychology, clinical neurology, neuropharmacology, evolutionary biology, genetics, and behavioral science, this four-volume encyclopedia contains over 200 peer reviewed signed articles from experts around the world. The Encyclopedia articles range in size from 5-30 printed pages each, and contain a definition paragraph, glossary, outline, and suggested readings, in addition to the body of the article. Lavishly illustrated, the Encyclopedia includes over 1000 figures, many in full color. Managing both breadth and depth, the Encyclopedia is a must-have reference work for life science libraries and researchers investigating the human brain. This book introduces readers to principles and research findings about human learning and cognition in an engaging, conversational manner. Atlas / Hirn / Mensch. Discusses how plant-based chemicals affect and interact with the human brain and its evolution. This updated second edition provides the state of the art perspective of the theory, practice and application of modern non-invasive imaging methods employed in exploring the structural and functional architecture of the normal and diseased human brain. Like the successful first edition, it is written by members of the Functional Imaging Laboratory - the Wellcome Trust funded London lab that has contributed much to the development of brain imaging methods and their application in the last decade. This book should excite and intrigue anyone interested in the new facts about the brain gained from neuroimaging and also those who wish to participate in this area of brain science. * Represents an almost entirely new book from 1st edition, covering the rapid advances in methods and in understanding of how human brains are organized * Reviews major advances in cognition, perception, emotion and action * Introduces novel experimental designs and analytical techniques made possible with fMRI, including event-related designs and non-linear analysis The previous two editions of the Human Nervous System have been the standard reference for the anatomy of the central and peripheral nervous system of the human. The work has attracted nearly 2,000 citations, demonstrating that it has a major influence in the field of neuroscience. The 3e is a complete and updated revision, with new chapters covering genes and anatomy, gene expression studies, and glia cells. The book continues to be an excellent companion to the Atlas of the Human Brain, and a common nomenclature throughout the book is enforced. Physiological data, functional concepts, and correlates to the neuroanatomy of the major model systems (rat and mouse) as well as brain function round out the new edition. Adopts standard nomenclature following the new scheme by Paxinos, Watson, and Puelles and aligned with the Mai et al. Atlas of the Human Brain (new edition in 2007) Full color throughout with many new and significantly enhanced illustrations Provides essential reference information for users in conjunction with brain atlases for the identification of brain structures, the connectivity between different areas, and to evaluate data collected in anatomical, physiological, pharmacological, behavioral, and imaging studies A comprehensive account of the neurobiological basis of language, arguing that species-specific brain differences may be at the root of the human capacity for language. Language makes us human. It is an intrinsic part of us, although we seldom think about it. Language is also an extremely complex entity with subcomponents responsible for its phonological, syntactic, and semantic aspects. In this landmark work, Angela Friederici offers a comprehensive account of these subcomponents and how they are integrated. Tracing the neurobiological basis of language across brain regions in humans and other primate species, she argues that species-specific brain differences may be at the root of the human capacity for language. Friederici shows which brain regions support the different language processes and, more important, how these brain regions are connected structurally and functionally to make language processes that take place in milliseconds possible. She finds that one particular brain structure (a white matter dorsal tract), connecting syntax-relevant brain regions, is present only in the mature human brain and only weakly present in other primate brains. Is this the “missing link” that explains humans' capacity for language? Friederici describes the basic language functions and their brain basis; the language networks connecting different language-related brain regions; the brain basis of language acquisition during early childhood and when learning a second language, proposing a neurocognitive model of the ontogeny of language; and the evolution of language and underlying neural constraints. She finds that it is the information exchange between the relevant brain regions, supported by the white matter tract, that is the crucial factor in both language development and evolution. An eye-opening game-changer of a book that sheds new light on how horses learn, think, perceive, and perform, and explains how to work with the horse’s brain instead of against it. In this illuminating book, brain scientist and horsewoman Janet Jones describes human and equine brains working together. Using plain language, she explores the differences and similarities between equine and human ways of negotiating the world. Mental abilities—like seeing, learning, fearing, trusting, and focusing—are discussed from both human and horse perspectives. Throughout, true stories of horses and handlers attempting to understand each other—sometimes successfully, sometimes not—help to illustrate the principles. Horsemanship of every kind depends on mutual interaction between equine and human brains. When we understand the function of both, we can learn to communicate with horses on their terms instead of ours. By meeting horses halfway, we achieve many goals. We improve

performance. We save valuable training time. We develop much deeper bonds with our horses. We handle them with insight and kindness instead of force or command. We comprehend their misbehavior in ways that allow solutions. We reduce the human mistakes we often make while working with them. Instead of working against the horse’s brain, expecting him to function in unnatural and counterproductive ways, this book provides the information needed to ride with the horse’s brain. Each principle is applied to real everyday issues in the arena or on the trail, often illustrated with true stories from the author’s horse training experience. Horse Brain, Human Brain offers revolutionary ideas that should be considered by anyone who works with horses. Why our human brains are awesome, and how we left our cousins, the great apes, behind: a tale of neurons and calories, and cooking. Humans are awesome. Our brains are gigantic, seven times larger than they should be for the size of our bodies. The human brain uses 25% of all the energy the body requires each day. And it became enormous in a very short amount of time in evolution, allowing us to leave our cousins, the great apes, behind. So the human brain is special, right? Wrong, according to Suzana Herculano-Houzel. Humans have developed cognitive abilities that outstrip those of all other animals, but not because we are evolutionary outliers. The human brain was not singled out to become amazing in its own exclusive way, and it never stopped being a primate brain. If we are not an exception to the rules of evolution, then what is the source of the human advantage? Herculano-Houzel shows that it is not the size of our brain that matters but the fact that we have more neurons in the cerebral cortex than any other animal, thanks to our ancestors' invention, some 1.5 million years ago, of a more efficient way to obtain calories: cooking. Because we are primates, ingesting more calories in less time made possible the rapid acquisition of a huge number of neurons in the still fairly small cerebral cortex—the part of the brain responsible for finding patterns, reasoning, developing technology, and passing it on through culture. Herculano-Houzel shows us how she came to these conclusions—making “brain soup” to determine the number of neurons in the brain, for example, and bringing animal brains in a suitcase through customs. The Human Advantage is an engaging and original look at how we became remarkable without ever being special. “A History of the Human Brain is a unique, enlightening, and provocative account of the most significant question we can ask about ourselves.” —Richard Wrangham, author of The Goodness Paradox Just 125,000 years ago, humanity was on a path to extinction, until a dramatic shift occurred. We used our mental abilities to navigate new terrain and changing climates. We hunted, foraged, tracked tides, shucked oysters—anything we could do to survive. Before long, our species had pulled itself back from the brink and was on more stable ground. What saved us? The human brain—and its evolutionary journey is unlike any other. In A History of the Human Brain, Bret Stetka takes us on this far-reaching journey, explaining exactly how our most mysterious organ developed. From the brain’s improbable, watery beginnings to the marvel that sits in the head of Home sapiens today, Stetka covers an astonishing progression, even tackling future brainy frontiers such as epigenetics and CRISPR. Clearly and expertly told, this intriguing account is the story of who we are. By examining the history of the brain, we can begin to piece together what it truly means to be human. The mental gap between man and ape is immense. As the brain is the organ of the mind, we must assume that throughout evolution there were changes in the brain that created this gap. This book is a search for those changes. Written in a lively style, the book is a far-reaching and exciting quest for those things that make humans unique. Neuroscience has made phenomenal advances over the past 50 years and the pace of discovery continues to accelerate. On June 25, 2008, the Institute of Medicine (IOM) Forum on Neuroscience and Nervous System Disorders hosted more than 70 of the leading neuroscientists in the world, for a workshop titled "From Molecules to Minds: Challenges for the 21st Century." The objective of the workshop was to explore a set of common goals or "Grand Challenges" posed by participants that could inspire and rally both the scientific community and the public to consider the possibilities for neuroscience in the 21st century. The progress of the past in combination with new tools and techniques, such as neuroimaging and molecular biology, has positioned neuroscience on the cusp of even greater transformational progress in our understanding of the brain and how its inner workings result in mental activity. This workshop summary highlights the important issues and challenges facing the field of neuroscience as presented to those in attendance at the workshop, as well as the subsequent discussion that resulted. As a result, three overarching Grand Challenges emerged: How does the brain work and produce mental activity? How does physical activity in the brain give rise to thought, emotion, and behavior? How does the interplay of biology and experience shape our brains and make us who we are today? How do we keep our brains healthy? How do we protect, restore, or enhance the functioning of our brains as we age? What would you see if you removed the skull from the human brain and then slowly worked your way deeper and deeper into the brain, to the level of an individual neuron? With renowned brain researcher Susan Greenfield as your guide, here is your chance to gain a bird's eye view of the human brain—and to learn more about what the brain is, how it works, what happens when one part of the brain is made dysfunctional through stroke or accident, how brain mood-modifying drugs find their targets.In a particularly fascinating chapter, Greenfield surveys for us how a brain is built and then takes us on a tour of the developing brain from the moment of conception.Throughout Greenfield poses the larger questions all readers want to consider, including: At what stage does individuality creep into the developing brain? How does the collection of circuits of neurons give rise not just to an individual brain but an individual consciousness? What might a fetus be conscious of? John Parrington argues that social interaction and culture have deeply shaped the exceptional nature of human consciousness. The mental capacities of the human mind far outstrip those of other animals. Our imaginations and creativity have produced art, music, and literature; built bridges and cathedrals; enabled us to probe distant galaxies, and to ponder the meaning of our existence. When our minds become disordered, they can also take us to the depths of despair. What makes the human brain unique, and able to generate such a rich mental life? In this book, John Parrington draws on the latest research on the human brain to show how it differs strikingly from those of other animals in its structure and function at a molecular and cellular level. And he argues that this 'shift', enlarging the brain, giving it greater flexibility and enabling higher functions such as imagination, was driven by tool use, but especially by the development of one remarkable tool - language. The complex social interaction brought by language opened up the possibility of shared conceptual worlds, enriched with rhythmic sounds, and images that could be drawn on cave walls. This transformation enabled modern humans to leap rapidly beyond all other species, and generated an exceptional human consciousness, a sense of self that arises as a product of our brain biology and the social interactions we experience. Our minds, even those of identical twins, are unique because they are the result of this extraordinarily plastic brain, exquisitely shaped and tuned by the social and cultural environment in which we grew up and to which we continue to respond through life. Linking early work by the Russian psychologist Lev Vygotsky to the findings of modern neuroscience, Parrington explores how language, culture, and society mediate brain function, and what this view of the human mind may bring to our understanding and treatment of mental illness. A scientist's exploration of the working of memory begins with a story by Borges about a man who could not forget. Imagine the astonishment felt by neuroscientist Rodrigo Quian Quiroga when he found a fantastically precise interpretation of his research findings in a story written by the great Argentinian fabulist Jorge Luis Borges fifty years earlier. Quian Quiroga studies the workings of the brain—in particular how memory works—one of the most complex and elusive mysteries of science. He and his fellow neuroscientists have at their disposal sophisticated imaging equipment and access to information not available just twenty years ago. And yet Borges seemed to have imagined the gist of Quian Quiroga's discoveries decades before he made them. The title character of Borges's "Funes the Memorious" remembers everything in excruciatingly particular detail but is unable to grasp abstract ideas. Quian Quiroga found neurons in the human brain that respond to abstract concepts but ignore particular details, and, spurred by the way Borges imagined the consequences of remembering every detail but being incapable of abstraction, he began a search for the origins of Funes. Borges's widow, María Kodama, gave him access to her husband's personal library, and Borges's books led Quian Quiroga to reread earlier thinkers in philosophy and psychology. He found that just as Borges had perhaps dreamed the results of Quian Quiroga's discoveries, other thinkers—William James, Gustav Spiller, John Stuart Mill—had perhaps also dreamed a story like "Funes." With Borges and Memory, Quian Quiroga has given us a fascinating and accessible story about the workings of the brain that the great creator of Funes would appreciate. This science ebook of award-wiining print edition uses the latest findings from neuroscience research and brain-imaging technology to take you on a journey into the human brain. CGI artworks and brain MRI scans reveal the brain's anatomy in unprecedented detail. Step-by-step sequences unravel and simplify the complex processes of brain function, such as how nerves transmit signals, how memories are laid down and recalled, and how we register emotions. The book answers fundamental and compelling questions about the brain: what does it means to be conscious, what happens when we're asleep,and are the brains of men and women different? Written by award-winning author Rita Carter, this is an accessible and authoritative reference book to a fascinating part of the human body. Thanks to improvements in scanning technology, our understanding of the brain is changing fast. Now in its third edition, the Brain Book provides an up-to-date guide to one of science's most exciting frontiers. With its coverage of over 50 brain-related diseases and disorders - from strokes to brain tumours and schizophrenia - it is also an essential manual for students and healthcare professionals. This edition expands coverage of neurophysiology, while stressing major concepts and structure-function relationships without extraneous detail. In the 5th Edition of this highly accessible atlas, Dr. Todd Vanderah continues the mission of his esteemed colleague, Dr. John "Jack" Nolte, to clearly depict and explain the challenging subject of neuroanatomy. Designed to promote a rapid understanding of complex concepts, Nolte's The Human Brain in Photographs and Diagrams combines easy-to-digest coverage of the brain, spinal cord, and brainstem with carefully selected visuals to cover all aspects of the information needed for success in coursework, on exams, and in clerkships and clinical practice. Features more than 600 high-quality figures including brain sections (transverse, coronal, axial, sagittal), 3-D reconstructions, MRIs and angiography, illustrated pathways that help you visualize anatomical structures and neuropathology. Presents a systemic series of unlabelled whole brain sections next to corresponding sections with important structures outlined and labelled. Includes a NEW chapter: An Introduction to Neuropathology, as well as NEW review questions online. Helps you understand the connections between functional systems with detailed diagrams that incorporate actual brain and spinal cord sections. Features clinical content throughout that shows how neuroanatomy applies to clinical practice. Discusses every labelled structure in the highly illustrated glossary at the end of the book. Shows major structures and major transitions in higher magnification for greater detail, and features bold index entries to indicate particularly clear illustrations of a given structure. Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references - including 68 bonus dissection videos - from the book on a variety of devices. Advanced methods for imaging brain structure and activity are leading to sophisticated accounts of how mental processes are implemented in the brain. This title provides an overview of the advances and future challenges in understanding the neurobiological basis of mental processes that are characteristically human. The brain ... There is no other part of the human anatomy that is so intriguing. How does it develop and function and why does it sometimes, tragically, degenerate? The answers are complex. In Discovering the Brain, science writer Sandra Ackerman cuts through the complexity to bring this vital topic to the public. The 1990s were declared the "Decade of the Brain" by former President Bush, and the neuroscience community responded with a host of new investigations and conferences. Discovering the Brain is based on the Institute of Medicine conference, Decade of the Brain: Frontiers in Neuroscience and Brain Research. Discovering the Brain is a "field guide" to the brainâ€"an easy-to-read discussion of the brain's physical structure and where functions such as language and music appreciation lie. Ackerman examines: How electrical and chemical signals are conveyed in the brain. The mechanisms by which we see, hear, think, and pay attentionâ€"and how a "gut feeling" actually originates in the brain. Learning and memory retention, including parallels to computer memory and what they might tell us about our own mental capacity. Development of the brain throughout the life span, with a look at the aging brain. Ackerman provides an enlightening chapter on the connection between the brain's physical condition and various mental disorders and notes what progress can realistically be made toward the prevention and treatment of stroke and other ailments. Finally, she explores the potential for major advances during the "Decade of the Brain," with a look at medical imaging techniquesâ€"what various technologies can and cannot tell usâ€"and how the public and private sectors can contribute to continued advances in neuroscience. This highly readable volume will provide the public and policymakersâ€"and many scientists as wellâ€"with a helpful guide to understanding the many discoveries that are sure to be announced throughout the "Decade of the Brain." The Human Brain takes a new look at the Human Brain by going beyond the mechanics of the Human Brain in a fun, fresh way! Know Where You Are, The Human Brain shows the value of the Human Brain and emphasizes concepts and ideas that demonstrate how unique this wonderful organ is.The Human Brain enables us to know for certain that we are significant, that we are connected to every other Human in this way, and that the Human Brain affords us the ability to appreciate, value, and protect our Species and our Environment. Salience Network of the Human Brain focuses on the multiple sources of stimuli that compete for our attention, providing interesting discussions on how the relative salience—importance or prominence—of each of these inputs determines which ones we choose to focus on for more in-depth processing. The salience network is a collection of regions of the brain that select which stimuli are deserving of our attention. The network has key nodes in the insular cortex and is critical for detecting behaviorally relevant stimuli and for coordinating the brain’s neural resources in response to these stimuli. The insular cortex is a complex and multipurpose structure that plays a role in numerous cognitive functions related to perception, emotion, and interpersonal experience—and the failure of this network to function properly can lead to numerous neuropsychiatric disorders, including autism spectrum disorder, psychosis, and dementia. Presents the only publication available that summarizes our understanding of the salience network in one resource Authored by a leading research on this important aspect of attention Focuses on the multiple sources of stimuli that compete for our attention, providing interesting discussions on how the relative salience—importance or prominence—of each of these inputs determines which ones we choose to focus on for more in-depth processing An introduction to the world of the human brain and its effect on behavior covers such topics as brain anatomy, the science of memory, and the latest understanding about the role of lifestyle choices on brain health. Master neurology with the help of Jack Nolte, PhD, recognized for his skill in communicating complicated neuroscience concepts. This book’s clear narrative style and review questions allow you to test and verify your knowledge. The short length, full-color illustrations, and brain images make learning quick and easy. Multiple-choice and comprehensive review questions, as well as blank diagrams you can use for labeling practice, help you study and reinforce what you have learned. This easy-to-read text, coupled with Student Consult online access, gives you an excellent overview of neuroscience and neuroanatomy for effective understanding of key information in studying and reviewing for exams.

Provides the appropriate level of information to take the anxiety out of a complex subject. Offers an added level of understanding though explanatory color illustrations and brain images that visually depict structure-function relationships and key neuroscience concepts. Includes multiple-choice and comprehensive review questions with explanations that cover the core topics in the book so you can test and develop your knowledge. Features review tools, via Student Access.

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