
35 2 The Nervous System Workbook Answers

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Chakra Healing for Beginners: 2 Books in 1: The Complete Guide to Discover 35 Self-Healing Techniques to Awaken and Balance Chakras for Health and Positive Energy Springer Science & Business Media
The Human Nervous System is a definitive account of human neuroanatomy, with a comprehensive coverage of the brain, spinal cord, and peripheral nervous system. The cytoarchitecture, chemoarchitecture, connectivity, and major functions of neuronal structures are examined by acknowledged

authorities in the field, such as: Alheid, Amaral, Armstrong, Beitz, Burke, de Olmos, Difiglia, Garey, Gerrits, Gibbins, Holstege, Kaas, Martin, McKinley, Norgren, Ohye, Paxinos, Pearson, Pioro, Price, Saper, Sasaki, Schoenen, Tadork, Voogd, Webster, Zilles, and their associates. Large, clearly designed 8-1/2" x 11" format 35 information-packed chapters 500 photomicrographs and diagrams 6,200 bibliographic entries Table of contents for every chapter Exceptionally cross-referenced Detailed subject index Substantial original research work Mini atlases of some brain regions Cumulated Index Medicus Springer Science & Business Media "The basic approach of this volume is to clarify the physiological mechanism of the effect of EMF on the functions of the brain through the use of the electrophysiological and conditioned-reflex methods. In addition, various methods of recording motor activity, determining the sensitivity to electrical and chemical stimuli, and certain morphological methods were used. The experimental objects were different classes of vertebrates, beginning with fish and ending with mammals."--Abstract. **A Genetic Screen for Genes Involved in Dendrite Morphogenesis of Central Neurons in Drosophila Melanogaster** University of Adelaide Press
Central nervous system (CNS) infections continue to pose a serious problem in health care even with improved knowledge and treatment. Despite the introduction of newer antimicrobial agents and diagnostic techniques, the morbidity and mortality associated with CNS infections

remain high. The morbidity associated with CNS infections may be even more important than the death rate especially in developing countries as neurological sequelae may deprive the survivors of intellect and physical ability, demeaning the quality of life and burdening health resources and social services. MR imaging is an important integral part of the protocol for the management of CNS infections and MR spectroscopy is increasingly being utilized in its management. This work is an attempt to provide a comprehensive review of imaging and spectroscopy of the commonly encountered CNS infections in the clinical practice in developing and developed countries. The first chapter deals with basic physical principles of MR imaging and spectroscopy that will help beginners to understand the technical terms used in subsequent chapters. The remaining 10 chapters deal with clinical, pathological, MR imaging and spectroscopy features and their applications in CNS infections. This will help in giving a comprehensive understanding to readers with a background in clinical, radiological, basic MRI, and neurological sciences. The T2 hypointense lesions are a real diagnostic dilemma especially in developing countries for which an algorithm has been suggested in the concluding

chapter.
Central Nervous System Infection Complications In Childhood National Geographic Books
 Handbook of Innovations in CNS Regenerative Medicine provides a comprehensive overview of the CNS regenerative medicine field. The book describes the basic biology and anatomy of the CNS and how injury and disease affect its balance and the limitations of the present therapies used in the clinics. It also introduces recent trends in different fields of CNS regenerative medicine, including cell transplantation, bio and neuro-engineering, molecular/pharmacotherapy therapies and enabling technologies. Finally, the book presents successful cases of translation of basic research to first-in-human trials and the steps needed to follow this path. Areas such as cell transplantation approaches, bio and

neuro-engineering, molecular/pharmacotherapy therapies and enabling technologies are key in regenerative medicine are covered in the book, along with regulatory and ethical issues. Describes the basic biology and anatomy of the CNS and how injury and disease affect its balance. Discusses the limitations of present therapies used in the clinics. Introduces the recent trends in different fields of CNS regenerative medicine, including cell transplantation, bio and neuro-engineering, molecular/pharmacotherapy therapies, and enabling technologies. Presents successful cases of translation of basic research to first-in-human trials, along with the steps needed to follow this path.
Handbook of Electroencephalography and Clinical Neurophysiology: Electrical reactions of the brain and complementary methods of evaluation (2 v.)
 Elsevier
 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 brain — 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 attention — 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 techniques — "what various technologies can and cannot tell us — and how the public and private sectors can contribute to continued advances in neuroscience. This highly readable volume will provide the public and policymakers — and many scientists as well — with a helpful guide to understanding the many discoveries that are sure to be announced throughout the "Decade of the Brain." Neuroproteomics John Wiley & Sons In this, the post-genomic age, our knowledge of biological systems continues to expand and progress. As the research becomes more focused, so too does the data. Genomic research progresses

to proteomics and brings us to a deeper understanding of the behavior and function of protein clusters. And now proteomics gives way to neuroproteomics as we begin to unravel the complex mysteries of neurological diseases that less than a generation ago seemed opaque to our inquiries, if not altogether intractable. Edited by Dr. Oscar Alzate, *Neuroproteomics* is the newest volume in the CRC Press *Frontiers of Neuroscience Series*. With an extensive background in mathematics and physics, Dr. Alzate exemplifies the newest generation of biological systems researchers. He organizes research and data contributed from all across the world to present an overview of neuroproteomics that is practical and progressive. Bolstered by each new discovery, researchers employing multiple methods of inquiry gain a deeper understanding of the key biological problems related to brain function, brain structure, and the complexity of the nervous system. This in turn is leading to new understanding about diseases of neurological deficit such as Parkinson's and Alzheimer's. Approaches discussed in the

book include mass spectrometry, electrophoresis, chromatography, surface plasmon resonance, protein arrays, immunoblotting, computational proteomics, and molecular imaging. Writing about their own work, leading researchers detail the principles, approaches, and difficulties of the various techniques, demonstrating the questions that neuroproteomics can answer and those it raises. New challenges wait, not the least of which is the identification of potential methods to regulate the structures and functions of key protein interaction networks. Ultimately, those building on the foundation presented here will advance our understanding of the brain and show us ways to abate the suffering caused by neurological and mental diseases.

Synesthesia Lippincott Williams & Wilkins

If you feel like something isn't right in your body, but can't physically point it out, then keep reading... Do you feel constantly tired, angry, or depressed? Do you sometimes find it difficult to talk about your emotions? Do you derive your self-worth from pleasing others?

If so, chances are high that your problem is likely energetic Chakras are life force energy centers in your body. When any of these energy centers are blocked or imbalanced it can affect your physical, mental, or spiritual health. In *Chakra Healing For Beginners: 2 in 1 Bundle*, Alison offers practical self-healing strategies to help you tap into the chakra that lies within you. You'll learn how to find your dedicated chakra altar, harmonize with your life force, and ease the physical pains and emotional turbulence that hinder your spiritual awakening! This 2 in 1 bundle includes the following 2 books: 1- *Chakra Healing For Beginners: The Complete Guide to Awaken and Balance Chakras for Self Healing and Positive Energy* 2- *Chakra Healing For Beginners: Discover 35 Self-Healing Techniques to awaken and Balance Chakras for Health and Positive Energy* This journey will change your life, You'll learn: *Ancient Medicine and the Use of Chakras Secret and Powerful Healing Techniques Six Mistakes Most Beginners Make in Meditation and How to Avoid Them The Mysteries and Benefits of Hindu and Buddhist Tantras*

How Certain Oils, Gemstones, and Crystals Can Affect Your Chakra in a Big Way Step-By-Step Energy Therapy Techniques to Keep Your Chi Energy Flowing Unraveling The Secrets to Happiness – and Why Positivity is a Must-Have Building Your Spiritual Connection with the Universe Plus, Much More It's time to unleash the power of your chakras. You will love this practical guide because empowering your chakras and improving your wellness is the first step to live the life you deserve. Get started now!

[Statistics of the Dominion of New Zealand for the Year ...](#) Elsevier

Read the first 6 chapters of this book free at: http://www.mightyz.com/remote_viewing_improvement.html Our previous 2 editions on remote viewing, *Wormhole Theories, Sunspot Activity and Remote Viewing Stocks and Remote Viewing. The Complete User's Manual on Experiencing Future Consciousness*, laid the groundwork for methods and techniques that enhance associative remote viewing. This third edition ties them all together, including how the body receives the information during remote

viewing, both via quantum methods and the nervous system. Total Number of Pages 700 Partial Listing of Chapters

The Breakthrough Discovery that Enhanced Associative Remote Viewing Heart Rate Variability The Parasympathetic Nervous System and Future Events The Parasympathetic Nervous System Effects on the Bodily Functions The Effects of Solar Weather on Heart Rate Variability and the Body's Parasympathetic and Sympathetic Nervous Systems The Schumann resonance and its Influence on Human Brainwaves

Chapter 1. Solar Activity, HRV and the Nervous System Chapter 2. Essential Oils for a Healthy Parasympathetic Nervous System Meniki and Hinoki Increase Parasympathetic Nervous System Activity Chapter 3. Lunar Rhythms and Remote Viewing Chapter 4. Alpha Brain Waves and Performance Nicotine and Precognition The Hippocampus and Nicotine Photosynthesis and Quantum Biology Quantum Photosynthesis and the Human Heart Microtubules and Consciousness Water Moisture and Intuition Chapter 5. Microtubules, Resonance and Precognition.

Chapter 6. Remote Viewing and Non-locality The Schuman Resonance and Human Consciousness How the Brain Receives Information via the Quantum Field During Remote Viewing Remote viewing and Time Chapter 9. The Hippocampus, Empathy and Psychic Ability Extrasensory Perception and Hippocampus Hippocampus Empathy and Psychic Ability Chapter 10. Substances that Enhance Remote Viewing Chapter 12. The Mid-Brain Dopamine System Fish Oil and Transthyretin Chapter 14. Substances that Enhance the Brain's Neurotransmitters The Sunstone and Polarized Light Aspartate and Glutamate A list of former USSR PSI Labs Nicotine Produces Alpha Brainwaves Bergamot Essential Oil Monoterpenes Theta Brain Waves Alpha Brain Waves and Remote Viewing Weak Noise Enhances Neural Synchronization Chapter 15. Techniques for Controlling the Signal to Noise Ratio during Associative Remote Viewing Moon Phase and Geomagnetic Activity Chapter 17. Substances that Strengthen and Enhance the Operation of Microtubules The Quantum Process of Photosynthesis Geraniol Fenchone Chapter 20. Do Certain Essential Oils Exhibit Quantum Effects? Can Meditation Enhance Superposition? Chapter 22. Types of Meditation and its effect on Brainwave Activity How to Generate 10Hz and 40Hz Gamma Nicotine Enhances Right Brain Functioning Chapter 23. Can Photons Travel Backwards Through Time? Chapter 24. Remote Viewing and Alternate Timelines Parallel Worlds and the Biophysical Field Chapter 25. Neutrinos and Parallel Universes Hydrogen and Alternate Universes Chapter 26. Microtubules and The Quantum Brain Chapter 27. Microtubule and Essential Oils Barometric Air Pressure and Blood Pressure Chapter 28. Essential Oils and their Effects on Brainwave Activity Chapter 29. The Thalamus Region of the Brain and Remote Viewing Chapter 30. Tungsten as a Photon Light Emitter The Schumann Resonance Affects the Parahippocampal gyrus Chapter 33. The TXP Formula Chapter 34. Favorable Environments and Solar Weather Conditions for Successful Associative Remote Viewing Sessions Chapter 35. The Brain as a Hologram Chapter 37.

Variations of Water Moisture Caused by Moon Phases
Chapter 38. How to Find Favorable Solar Weather Conditions to Enhance Remote Viewing Accuracy
Closing Remarks / Final Summary
Essential Oils and Creativity
A List Of 6 Tea Recipes That Enhance Intuition
Monoterpenes in Essential Oils
Phenol Levels in Essential Oils
Van Der Waals Radius of the Elements
The Central Nervous System and Human Behavior Springer Nature

The genetic, molecular, and cellular mechanisms of neural development are essential for understanding evolution and disorders of neural systems. Recent advances in genetic, molecular, and cell biological methods have generated a massive increase in new information, but there is a paucity of comprehensive and up-to-date syntheses, references, and historical perspectives on this important subject. The Comprehensive Developmental Neuroscience series is designed to fill this gap, offering the most thorough coverage of this field on the market today and addressing all aspects of how the nervous system and its components develop. Particular attention is paid to the effects of abnormal development and on new

psychiatric/neurological treatments being developed based on our increased understanding of developmental mechanisms. Each volume in the series consists of review style articles that average 15-20pp and feature numerous illustrations and full references. Volume 2 offers 56 high level articles devoted mainly to Formation of Axons and Dendrites, Migration, Synaptogenesis, Developmental Sequences in the Maturation of Intrinsic and Synapse Driven Patterns. Series offers 144 articles for 2904 full color pages addressing ways in which the nervous system and its components develop. Features leading experts in various subfields as Section Editors and article Authors. All articles peer reviewed by Section Editors to ensure accuracy, thoroughness, and scholarship. Volume 2 sections include coverage of mechanisms which regulate: the formation of axons and dendrites, cell migration, synapse formation and maintenance during development, and neural activity, from cell-intrinsic maturation to early correlated patterns of activity. Report of the Surgeon-General of the Army to the Secretary of War for the Fiscal Year Ending ... Chicago : Aldine
This book summarizes the latest research on drug and gene delivery to the central nervous system (CNS). The chapters

address safety concerns regarding the nanotechnology that is needed to develop nanomedicine for clinical practice. Particular focus is given to new technologies that have emerged in recent years to deliver therapeutic materials, such as genes, drugs, and other agents using nanotechnologies of diverse origin. This is an ideal book for students, teachers, researchers, and clinicians interested in a deeper understanding of nanotechnological advances in therapeutic medicine. This book also: Broadens readers' understanding of viral vector gene delivery to the brain for treating neurogenetic diseases as well as targeted gene delivery into the brain using microbubble-facilitated focused ultrasound. Covers in detail the latest developments in delivering therapeutic materials, such as siRNA delivery to the brain for treating neurological diseases, neuroprotective effects of gelatin nanoparticles in stroke, and nanowired drug delivery for brain diseases, heat stroke, and CNS injury. Enriches understanding of new technologies for delivering therapeutic materials treating Alzheimer's Disease, including targeted nanodrug delivery through the blood-brain barrier and the superior neuroprotective effects of nanowired drug delivery in Alzheimer's Disease. Stochastic Models for Spike Trains of Single Neurons Springer
An accessible, concise primer on the neurological trait of synesthesia—vividly felt sensory couplings—by a founder of the field. One in twenty-three people carry the genes for the

synesthesia. Not a disorder but a neurological trait—like perfect pitch—synesthesia creates vividly felt cross-sensory couplings. A synesthete might hear a voice and at the same time see it as a color or shape, taste its distinctive flavor, or feel it as a physical touch. In this volume in the MIT Press Essential Knowledge series, Richard Cytowic, the expert who returned synesthesia to mainstream science after decades of oblivion, offers a concise, accessible primer on this fascinating human experience. Cytowic explains that synesthesia's most frequent manifestation is seeing days of the week as colored, followed by sensing letters, numerals, and punctuation marks in different hues even when printed in black. Other manifestations include tasting food in shapes, seeing music in moving colors, and mapping numbers and other sequences spatially. One synesthete declares, “Chocolate smells pink and sparkly ” ; another invents a dish (chicken, vanilla ice cream, and orange juice concentrate) that tastes intensely blue. Cytowic, who in the 1980s revived scientific interest in synesthesia, sees it now understood as a spectrum, an umbrella term that covers five clusters of outwardly felt couplings that can occur via several pathways. Yet synesthetic or not, each brain uniquely filters what it perceives. Cytowic reminds us that each individual's perspective on the world is thoroughly subjective. *The Effect of Electromagnetic and Magnetic Fields on the Central Nervous System* Lippincott Williams & Wilkins Thoroughly revised to reflect the

latest advances in neurosurgery, radiation oncology, chemotherapy, biological therapy, and the basic sciences, the Second Edition of this highly acclaimed volume is the most comprehensive, current reference on tumors of the central and peripheral nervous system. More than 100 of the foremost authorities present multimodality treatment strategies for specific tumor types and examine the mechanisms of tumorigenesis. Coverage includes state-of-the-art information on image-guided surgery, local delivery systems, intraoperative imaging, proton beam therapy, conformal systems, radiosurgery, new drugs and biological agents, and cell cycle deregulation and chromosomal abnormalities in tumorigenesis. This edition contains over 400 illustrations.

The Human Nervous System Academic Press
The brain is the most complex organ in our body. Indeed, it is perhaps the most complex structure we have ever encountered in nature. Both structurally and functionally, there are many peculiarities that differentiate the brain from all other organs. The brain is our connection to the world around us and by governing nervous system and higher function, any disturbance induces severe neurological and psychiatric disorders that can have a devastating effect on quality of life. Our understanding of the

physiology and biochemistry of the brain has improved dramatically in the last two decades. In particular, the critical role of cations, including magnesium, has become evident, even if incompletely understood at a mechanistic level. The exact role and regulation of magnesium, in particular, remains elusive, largely because intracellular levels are so difficult to routinely quantify. Nonetheless, the importance of magnesium to normal central nervous system activity is self-evident given the complicated homeostatic mechanisms that maintain the concentration of this cation within strict limits essential for normal physiology and metabolism. There is also considerable accumulating evidence to suggest alterations to some brain functions in both normal and pathological conditions may be linked to alterations in local magnesium concentration. This book, containing chapters written by some of the foremost experts in the field of magnesium research, brings together the latest in experimental and clinical magnesium research as it relates to the central nervous system. It offers a complete and updated view of

magnesiums involvement in central nervous system function and in so doing, brings together two main pillars of contemporary neuroscience research, namely providing an explanation for the molecular mechanisms involved in brain function, and emphasizing the connections between the molecular changes and behavior. It is the untiring efforts of those magnesium researchers who have dedicated their lives to unraveling the mysteries of magnesiums role in biological systems that has inspired the collation of this volume of work.

Autonomic Nervous System and Sleep

Alison L. Alverson
Delivered in a clear and comprehensive visual format, The Autonomic Nervous System Table by Babette Rothschild has been a widely adopted as a trusted resource for therapists and clients in the assessment and monitoring of arousal states during therapeutic sessions. Available as a laminated card and as a wall poster, this chart was created as a visual accompaniment to Rothschild's newest book, The Body Remembers Volume 2: Revolutionizing Trauma Treatment. This product is a poster-sized (35 in. x 18-1/2 in.) version of the Autonomic Nervous System table that

appears in Babette Rothschild's The Body Remembers, Volume 2. Handbook of Innovations in Central Nervous System Regenerative Medicine Createspace Independent Publishing Platform
Tumours of the central nervous system in infancy and childhood show so many diverse pathomorphological characteristics and present so many diagnostic problems that a congress dealing specifically with the subject and thus bringing together a wide range of experts in the field seemed called for. The programme of the congress, held in Mainz between 22 and 24 October 1981, was designed to provide comprehensive coverage of diagnosis and the various therapeutic procedures, as well as of basic research in the field. The various lectures given are contained in this book, which thus reflects the complete spectrum of topics discussed. The interest generated by the congress amply justified our decision to organize it. Representatives of various specialities, such as neuropathology, paediatrics, oncology, radiology, neurosurgery, paediatric surgery and neurology, and, last but not least, basic research, provided lively and interesting lectures which admittedly raised more problems than they solved. In addition to the actual papers presented, we attached considerable importance to the different opinions voiced during the congress, as reflected in the discussions included at the end of each chapter.
Pesticides Abstracts MIT Press
Central nervous system (CNS)

infections in childhood may complicate even if an appropriate therapy is promptly prescribed. Aim of the study: to estimate the incidence of long term sequelae in patients affected by CNS infections
Material and methods: We retrospectively examined the medical records of patients admitted to the Bambino Gesù Children's Hospital, Rome, Italy, for a CNS infection over a 13-year period (from January 2001 to January 2016). Results: In our case series, 485 children have been enrolled. The mean age was of 4,2 years (range 42 days to 17,7 years). Out of them, 20% was affected by cerebellitis, 10% by encephalitis, 55% by meningitis and 15% by meningoencephalitis. Eight patients died in the acute phase. Among survivors, 120 patients (25%) had at least one complication during the acute phase. Patients were younger than those without sequelae (3.7 years vs 4.5 years). In details, 8 patients (8,2%) with cerebellitis, 12 (25,5%) with encephalitis, 58 (22%) with meningitis and 35 (50.7%) with meningoencephalitis developed at least one sequelae. Neurological sequelae were identified in 17% of survivors. Out of them, 29 children were diagnosed with meningoencephalitis (42%), 11 with encephalitis (23%), 35 with meningitis (13,2%) and 6 with

cerebellitis. Hearing complications were identified in 41 children (8,6%), of which 10 affected by meningoencephalitis (14,4%) and 31 by meningitis (11,7%). Vision sequelae were detached in 4 patients affected by meningoencephalitis (5,8%), in 15 by meningitis (5,7%) and in 3 by cerebellitis (3%). Conclusion: Even if adequate treated, CNS infections cause mortality and morbidity in industrialized countries. An adequate screening before hospital dismissal is required to promptly identify sequelae and to avoid long term disability.

Michigan Health Statistics
Springer Science & Business Media

Part I. General systems research : overview -- 1. General systems theory, the skeleton of science / Kenneth E. Boulding -- 2. General systems theory, a critical review / Ludwig von Bertalanffy -- 3. Cybernetics in history / Norbert Wiener.

Annual Report of the Registrar-General for Scotland
Springer

Provides data, statistical and tabular, on the operations and activities of the Surgeon General's Office including financial statements, reports on health and hygiene in the Army, hospitals, medical supplies, brief agency histories, etc.

The Naturalists' Leisure Hour and Monthly Bulletin
National Academies Press

Where do you begin to look for the diagnosis of a particular malignancy? The few general oncology textbooks are generally out of date. Single papers in specialized journals are informative but seldom comprehensive; these are more often preliminary reports on a very limited number of patients. Certain general journals frequently publish good in depth reviews of cancer topics, and published symposium lectures are often the best overviews available. Unfortunately, these reviews and supplements appear sporadically, and the reader can never be sure when a topic of special interest will be covered.

Cancer Treatment and Research is a series of authoritative volumes which aim to meet this need. It is an attempt to establish a critical mass of oncology literature covering virtually all oncology topics, revised frequently to keep the coverage up to date, easily available on a single library shelf or by a single personal subscription. We have approached the problem in the following fashion. First, by dividing the oncology literature into specific subdivisions such as lung cancer, genitourinary cancer, pediatric oncology, etc. Second, by asking eminent authorities in each of these areas to edit a volume on the specific topic on an annual or biannual basis. Each topic and

tumor type is covered in a volume appearing frequently and predictably, discussing current diagnosis, staging, markers, all forms of treatment modalities, basic biology, and more.

Cancer of the Nervous System
Springer Science & Business Media

Equine Neurology, Second Edition provides a fully updated new edition of the only equine-specific neurology book, with comprehensive, clinically oriented information. Offers a complete clinical reference to neurologic conditions in equine patients

Takes a problem-based approach to present a clinically oriented perspective Presents new chapters on imaging the nervous system, neuronal physiology, sleep disorders, head shaking, differential diagnosis of muscle trembling and weakness, and cervical articular process joint disease Covers the basic principles of neurology, clinical topics such as the initial exam, differentials, and neuropathology, and specific conditions and disorders Includes access to a companion website offering video clips demonstrating presenting signs