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### KEY=PHYSIOLOGY - BECKER MALIK

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### ANATOMY & PHYSIOLOGY

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### INDEX MEDICUS

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### COMFORT

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### THE KEY TO HAPPINESS AND SUCCESS IN OVER A MILLION AND A QUARTER HOMES

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### STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES

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### A PATH FORWARD

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*National Academies Press* Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. **Strengthening Forensic Science in the United States: A Path Forward** provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. **Strengthening Forensic Science in the United States** gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

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### ANATOMY & PHYSIOLOGY

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A version of the OpenStax text

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### FIND YOUR PEACE

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### SUPERNATURAL SOLUTIONS BEYOND SCIENCE FOR FEAR, ANXIETY, AND DEPRESSION

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*Siloam Press* Your best prescription goes beyond science. This book will help transform your way of thinking and give you tools to change your life and even your eternity. It will help you cope with stress and others and change the world around you. Despite health care professionals' constant efforts to educate, entice, advise, convince, indoctrinate, and persuade patients with smooth talk, bribes, guilt, and manipulation to make people understand and follow medical advice, the results are often minimal. People continue to suffer from various diseases and chronic conditions. Many still die prematurely from high levels of stress caused by fear, worry, anxiety, and depression. Even with so much knowledge, the gaps in the way people manage stressors in their daily lives needs to be addressed. In **Find Your Peace**, Dr. Rodica Malos tackles this universal topic head-on. Brimming with medical research, basic brain chemistry, and scriptural wisdom, this powerful, encouraging book reveals how the divine design of the human body functions most perfectly when a person's thought life aligns with God's instructions (prescriptions beyond science). God's divine prescriptions and timeless truths will transform, comfort, sustain, and heal. Readers will learn to confront their fear, anxiety, and depression with supernatural resources and develop a healthier lifestyle full of blessings and peace.

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### RIGHT HEART PATHOLOGY

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### FROM MECHANISM TO MANAGEMENT

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*Springer* This book reviews the management of right heart diseases, incorporating etiology, physiopathology, prevention, diagnosis and treatment. The frequency of this pathology has increased in recent years, while techniques for its treatment have evolved. This book therefore represents a complete, detailed and updated presentation of this pathology, reviewing the expanded treatment options while considering the management of patients in detail. **Right Heart Pathology: From Mechanism to Management** provides a comprehensive insight into right heart pathology, current diagnostic methods, treatments and postsurgical management. Written by experienced cardiologists and cardiovascular surgeons who have addressed significant issues in this topic area, it represents the essential reference in this specialty.

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### CUMULATED INDEX MEDICUS

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### PRINCIPLES & PRACTICE OF PAIN MEDICINE: SECOND EDITION

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*McGraw-Hill Education / Medical* The leading textbook on pain management! A Doody's Core Title! 4 STAR DOODY'S REVIEW! "This is an extraordinarily well-written and comprehensive book. It expands considerably on the first edition, and with its multifaceted and multidisciplinary perspective, it should be an invaluable addition to the library of any practitioner of pain medicine."--Doody's Review Service This comprehensive resource covers every aspect of diagnosing and treating specific pain conditions and syndromes. Features a concise introduction to basic concepts in pain management, plus an expanded section on evaluation and assessment techniques.

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### ESSENTIALS OF EXERCISE PHYSIOLOGY

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*Lippincott Williams & Wilkins* Fully revised and updated, this Third Edition provides excellent coverage of the fundamentals of exercise physiology, integrating scientific and clinical information on nutrition, energy transfer, and exercise training. The book is lavishly illustrated with full-color graphics and photos and includes real-life cases, laboratory-type activities, and practical problem-solving questions. This edition has an Integrated Workbook in the margins that reinforces concepts, presents activities to test knowledge, and

aids students in taking notes. An accompanying CD-ROM contains multiple-choice and true/false questions to help students prepare for exams. LiveAdvise online faculty support and student tutoring services are available free with the text.

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#### **NATIONAL LIBRARY OF MEDICINE CURRENT CATALOG**

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#### **CUMULATIVE LISTING**

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#### **DIASTOLOGY E-BOOK**

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#### **CLINICAL APPROACH TO DIASTOLIC HEART FAILURE**

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*Elsevier Health Sciences* This reference thoroughly equips you to successfully diagnose and manage even the most complex incidences of diastolic heart failure and their comorbidities. It examines the basic mechanisms of this condition through discussions of both cellular and anatomic causes; guides you through non-invasive techniques for diagnosis, including echocardiography, cardiac CT, and MRI; and provides expert advice on pharmacologic management. Covers the basic mechanisms of diastolic heart problems from both cellular and anatomic perspectives. Chapters covering modalities helpful in assessment of diastolic function such as: echocardiography, cardiac MRI, radionuclide ventriculography, and invasive hemodynamic measurements. Features in-depth assessments of all diagnostic methods for diastolic heart failure, including rationales for their use. Examines contributing conditions that play a role in diastolic heart failure and offers guidance on their management. Offers pharmacologic strategies for multiple problem management.

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#### **RESEARCH GRANTS INDEX**

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#### **ANNUAL REVIEW OF PHYSIOLOGY**

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#### **CURRENT CATALOG**

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First multi-year cumulation covers six years: 1965-70.

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#### **NEONATAL HEART DISEASE**

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*Springer Science & Business Media* As pediatric cardiology becomes more and more neonatal cardiology and even fetal cardiology, Neonatal Heart Disease by Robert M. Freedom, MD, Leland N. Benson, MD, and Jeffrey F. Smallhorn, MD is extraordinarily timely. Neonatal Heart Disease consists of 50 chapters by 25 distinguished contributors and is a worthy successor to The Neonate With Congenital Heart Disease by Richard D. Rowe, MD and his colleagues (1968 and 1981). The first edition of this book in 1968 established Richard D. Rowe, MD as the father of neonatal cardiology. As most pediatric cardiologists now know, Dick Rowe died on January 18, 1988 after a brief illness. It will therefore come as no surprise that the present volume is dedicated to this great and gentle man. Nor will it come as a surprise that I have been asked to devote this Foreword to Richard D. Rowe, MD, pioneering neonatal cardiologist and incomparable personal friend. What can one say about Dick Rowe? Well, there are at least two very different tales. There is Dick Rowe the public man -the factual account of Dick Rowe's achievements as a physician, educator, and research man - the Dick Rowe that virtually "everyone" knows. And then there is Dick Rowe the private man -the extraordinary human being who only his personal friends were privileged to know. I shall try to tell something of both stories. First, the public man - the factual account - is really quite amazing.

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#### **HANDBOOK OF PSYCHOPHYSIOLOGY**

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*Cambridge University Press* The Handbook of Psychophysiology has been the authoritative resource for more than a quarter of a century. Since the third edition was published a decade ago, the field of psychophysiological science has seen significant advances, both in traditional measures such as electroencephalography, event-related brain potentials, and cardiovascular assessments, and in novel approaches and methods in behavioural epigenetics, neuroimaging, psychoneuroimmunology, psychoneuroendocrinology, neuropsychology, behavioural genetics, connectivity analyses, and non-contact sensors. At the same time, a thoroughgoing interdisciplinary focus has emerged as essential to scientific progress. Emphasizing the need for multiple measures, careful experimental design, and logical inference, the fourth edition of the Handbook provides updated and expanded coverage of approaches, methods, and analyses in the field. With state-of-the-art reviews of research in topical areas such as stress, emotion, development, language, psychopathology, and behavioural medicine, the Handbook remains the essential reference for students and scientists in the behavioural, cognitive, and biological sciences.

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#### **WHITAKER'S CUMULATIVE BOOK LIST**

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#### **PROLOGUE**

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#### **THE JOURNAL OF THE NATIONAL ARCHIVES**

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#### **PARENTOLOGY**

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#### **EVERYTHING YOU WANTED TO KNOW ABOUT THE SCIENCE OF RAISING CHILDREN BUT WERE TOO EXHAUSTED TO ASK**

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*Simon and Schuster* An award-winning scientist offers his unorthodox approach to childrearing: "Parentology is brilliant, jaw-droppingly funny, and full of wisdom...bound to change your thinking about parenting and its conventions" (Amy Chua, author of *Battle Hymn of the Tiger Mother*). If you're like many parents, you might ask family and friends for advice when faced with important choices about how to raise your kids. You might turn to parenting books or simply rely on timeworn religious or cultural traditions. But when Dalton Conley, a dual-doctorate scientist and full-blown nerd, needed childrearing advice, he turned to scientific research to make the big decisions. In Parentology, Conley hilariously reports the results of those experiments, from bribing his kids to do math (since studies show conditional cash transfers improved educational and health outcomes for kids) to teaching them impulse control by giving them weird names (because evidence shows kids with unique names learn not to react when their peers tease them) to getting a vasectomy (because fewer kids in a family mean smarter kids). Conley encourages parents to draw on the latest data to rear children, if only because that level of engagement with kids will produce solid and happy ones. Ultimately these experiments are very loving, and the outcomes are redemptive—even when Conley's sassy kids show him the limits of his profession. Parentology teaches you everything you need to know about the latest literature on parenting—with lessons that go down easy. You'll be laughing and learning at the same time.

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#### **THE CLINICAL ANATOMY OF THE CRANIAL NERVES**

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#### **THE NERVES OF "ON OLD OLYMPUS TOWERING TOP"**

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*John Wiley & Sons* The cranial nerves impact a broad range of normal motor and sensory functions ranging from smell and vision to balance. The Cranial Nerves: An Introduction to the Unique Nerves of the Head, Neck and Special Senses is an engaging and valuable primer on the biological function and clinical importance of these unique nerves. The Cranial Nerves opens with the history of our understanding of the cranial nerves and a brief introduction of key neuroanatomical concepts that will inform the clinical portions that follow. Chapters then detail each nerve and its unique function and impact on our senses, motor function, and health. Vividly illustrated and supported by real-life clinical cases, the book will appeal to anyone looking to gain a better understanding of cranial nerves.

Merging foundational anatomical and biological information with intriguing clinical cases , *The Cranial Nerves: An Introduction to the Unique Nerves of the Head, Neck and Special Senses* introduces readers to the anatomy and diverse function of this unique family of nerves.

#### **AIBS DIRECTORY OF BIOSCIENCE DEPARTMENTS AND FACULTIES IN THE UNITED STATES AND CANADA**

*Dowden Hutchinson and Ross* Also includes degrees offered, degree requirements, graduate courses and doctoral programs.

#### **THE PREFRONTAL CORTEX**

#### **ANATOMY, PHYSIOLOGY, AND NEUROPSYCHOLOGY OF THE FRONTAL LOBE**

*Lippincott Williams & Wilkins*

#### **THE RESPIRATORY SYSTEM E-BOOK**

#### **BASIC SCIENCE AND CLINICAL CONDITIONS**

*Elsevier Health Sciences* This is an integrated textbook on the respiratory system, covering the anatomy, physiology and biochemistry of the system, all presented in a clinically relevant context appropriate for the first two years of the medical student course. One of the seven volumes in the *Systems of the Body* series. Concise text covers the core anatomy, physiology and biochemistry in an integrated manner as required by system- and problem-based medical courses. The basic science is presented in the clinical context in a way appropriate for the early part of the medical course. There is a linked website providing self-assessment material ideal for examination preparation.

#### **ATHENAEUM AND LITERARY CHRONICLE**

#### **UNDERSTANDING PATHOPHYSIOLOGY - ANZ ADAPTATION**

*Elsevier Health Sciences* A new pathophysiology textbook specifically for Australian and New Zealand nursing students *Understanding Pathophysiology* provides nursing students with the optimal balance between science, clinical case material and pharmacology. With entrenched bio-medical terminology that can be difficult to relate to nursing practice, pathophysiology is a complex, though essential, component of all undergraduate nursing courses. *Understanding Pathophysiology: ANZ Edition* overcomes this difficulty by presenting the topic in an accessible manner appropriate to undergraduate nursing students in Australia and New Zealand. The book prioritises diseases relevant to nursing students and presents them according to prevalence and rate of incidence in Australia and New Zealand. This focused approach prepares students for the presentations they will experience in a clinical setting. *Understanding Pathophysiology: ANZ Edition* explores each body system first by structure and function, then by alteration. This establishes the physiology prior to addressing the diseases relative to the system and allows students to analyse and compare the normal versus altered state. This local edition of *Understanding Pathophysiology* incorporates a lifespan approach and explores contemporary health with specific chapters on stress, genes and the environment, obesity and diabetes, cancer, mental illness and Indigenous health issues. Clinical case studies are included in each chapter, with each patient case study highlighting the relevant medical symptoms of a given disease within a clinical setting. This is then analysed with respect to the relevancy of each symptom, their respective affect on body systems and the best course of pharmacological treatment. Elsevier's Evolve website provides extensive support materials for students and lecturers. Also available for purchase with this textbook is an e-book, *Pathophysiology Online* - a set of online modules, and a mobile study guide application. • pathophysiology presented at an appropriate level for undergraduate nursing students in Australia and New Zealand • an adaptation of a US edition - *Understanding Pathophysiology, 4th Edition* • diseases are addressed according to prevalence, incidence and relevance • a 'systems' approach is incorporated with a 'lifespan' approach within the alterations chapters • a new section on contemporary health issues examines the effects of an aging population and lifestyle choices on a society's overall health • new chapters on topics including homeostasis; genes and the environment; obesity and diabetes; mental health and Indigenous health issues • chapter outlines and key terms appear at the beginning of each chapter • concept maps provide visual representation of the key concepts addressed in each chapter • clinical case studies feature in each chapter to bring pathophysiology into practice • helpful 'focus on learning' boxes in each chapter • key terms are bolded in the text and listed in the glossary • summaries of main points feature in each chapter • review questions at chapter end are accompanied by answers provided online

#### **WHITAKER'S BOOKS IN PRINT**

#### **VOLTAGE GATED SODIUM CHANNELS**

*Springer Science & Business Media* A number of techniques to study ion channels have been developed since the electrical basis of excitability was first discovered. Ion channel biophysicists have at their disposal a rich and ever-growing array of instruments and reagents to explore the biophysical and structural basis of sodium channel behavior. Armed with these tools, researchers have made increasingly dramatic discoveries about sodium channels, culminating most recently in crystal structures of voltage-gated sodium channels from bacteria. These structures, along with those from other channels, give unprecedented insight into the structural basis of sodium channel function. This volume of the *Handbook of Experimental Pharmacology* will explore sodium channels from the perspectives of their biophysical behavior, their structure, the drugs and toxins with which they are known to interact, acquired and inherited diseases that affect sodium channels and the techniques with which their biophysical and structural properties are studied.

#### **HOW TOBACCO SMOKE CAUSES DISEASE**

#### **THE BIOLOGY AND BEHAVIORAL BASIS FOR SMOKING-ATTRIBUTABLE DISEASE : A REPORT OF THE SURGEON GENERAL**

*U.S. Government Printing Office* This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

#### **HERBAL, BIO-NUTRIENT AND DRUG TITRATION ACCORDING TO DISEASE STAGES IN INTEGRATIVE CARDIOVASCULAR CHINESE MEDICINE**

#### **VOLUME 1**

*Academic Press* *Herbal, Bio-nutrient and Drug Titration According to Disease Stages in Integrative Cardiovascular Chinese Medicine*, the first volume in the *Integrative Cardiovascular Chinese Medicine* series, provides a comprehensive guide to improving outcomes with cardiovascular medicine therapy options. Coverage includes the three types of medicines used in disease stage treatment, Chinese medicine, nutritional supplements and pharmaceutical drugs. All sections are organized according to drug class in western medicine and chapters in each section are organized according to disease stage, providing ease in navigation and reference within the book. This important reference will aid cardiovascular researchers in the study of integrative Chinese and western medicine as well as provide a clear, structured base to guide clinical practice and encourage collaboration between Chinese and Western medicine practitioners. Integrates Western and Chinese Medicine for a realistic and complete scope of cardiology treatment, establishing the basis for standardization and rationale of inclusion of Traditional Chinese Medicine in cardiology Presents a structure for prescribing herbal formulas and nutritional supplements with or without pharmaceutical drugs Examines diet and lifestyle according to constitution in

Traditional Chinese Medicine to prevent the progression of disease and/or maintain health before or after chronic stages

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#### **REGULATION OF CORONARY BLOOD FLOW**

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*Springer Science & Business Media* Research centering on blood flow in the heart continues to hold an important position, especially since a better understanding of the subject may help reduce the incidence of coronary arterial disease and heart attacks. This book summarizes recent advances in the field; it is the product of fruitful cooperation among international scientists who met in Japan in May, 1990 to discuss the regulation of coronary blood flow.

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#### **CURRENT ISSUES IN SPORTS AND EXERCISE MEDICINE**

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*BoD - Books on Demand* This unique resource presents current issues in sports and exercise medicine which outlines new areas of knowledge and provides updates on current knowledge in the broad field of sports and exercise medicine. Written by experts in their own sub-disciplines, *Current Issues in Sports and Exercise Medicine* discusses the physiology behind sports injuries and presents new and exciting approaches to manage such injuries. In addition, the book explores the relationship between exercise, health and performance by providing new information in areas such as exercise and immunity, the use of iron supplementation for performance, how exercise affects reactive oxygen species, and the proposed benefits of real and simulated altitude training. This book is well referenced and illustrated and will be a valuable resource for sports medicine specialists, physiologists, coaches, physical conditioners, physiotherapists and graduate and medical school students.

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#### **GUIDE FOR THE CARE AND USE OF LABORATORY ANIMALS**

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#### **EIGHTH EDITION**

*National Academies Press* A respected resource for decades, the *Guide for the Care and Use of Laboratory Animals* has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

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#### **AMERICAN MEDICAL DIRECTORY**

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#### **NIGHT NOISE GUIDELINES FOR EUROPE**

*WHO Regional Office Europe* Environmental noise is a threat to public health, having negative impacts on human health and wellbeing. This book reviews the health effects of night time noise exposure, examines dose-effects relations, and presents interim and ultimate guideline values of night noise exposure. It offers guidance to the policy-makers in reducing the health impacts of night noise, based on expert evaluation of scientific evidence in Europe. The review of scientific evidence and the derivation of guideline values were conducted by outstanding scientists. The contents of the document were peer-reviewed and discussed for a consensus among the experts and the stakeholders. We are thankful for those who contributed to the development and presentation of this guidelines and believe that this work will contribute to improving the health of the people in the Region.

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#### **HANDBOOK OF PHYSIOLOGY: THE CARDIOVASCULAR SYSTEM**

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#### **ENTOMOLOGY ABSTRACTS**

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#### **HANDBOOK OF PHYSIOLOGY: THE CARDIOVASCULAR SYSTEM. V. 1. THE HEART. V. 2. VASCULAR SMOOTH MUSCLE. V. 3, PT.1-2. PERIPHERAL CIRCULATION AND ORGAN BLOOD FLOW**

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#### **PLASTIC SURGERY: HAND SURGERY**

Volume 4: Hand Surgery First book to include long-term outcomes for surgical procedures - there is a dedicated editor ensuring that all available information is included Chapters are written by the freshest, most energetic names on the international scene, ensuring that global best practice is at the heart of the text Comprehensive coverage of diagnosis, treatment and management with basic science integrated throughout - reflects the way you practice Clear artwork and photographs aid quick reference

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#### **CURRENT LIST OF MEDICAL LITERATURE**

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Includes section, "Recent book acquisitions" (varies: Recent United States publications) formerly published separately by the U.S. Army Medical Library.