

## Australian Medicines Handbook Third Edition

This book collects reviews and original articles from eminent experts working in the interdisciplinary arena of nanotechnology use in drug delivery. From their direct and recent experience, the readers can achieve a wide vision on the new and ongoing potentialities of nanotechnology application of drug delivery. Since the advent of analytical techniques and capabilities to measure particle sizes in nanometer ranges, there has been tremendous interest in the use of nanoparticles for more efficient methods of drug delivery. On the other hand, this reference discusses advances in design, optimization, and adaptation of gene delivery systems for the treatment of cancer, cardiovascular, pulmonary, genetic, and infectious diseases, and considers assessment and review procedures involved in the development of gene-based pharmaceuticals.

The third edition of *Fundamentals of Anatomy and Physiology* is a concise yet comprehensive introduction to the structure and function of the human body. Written with the needs of nursing and healthcare students in mind, this bestselling textbook incorporates clinical examples and scenarios throughout to illustrate how the topics covered are applied in practice. Hundreds of full-colour illustrations complement numerous case studies encompassing all fields of nursing practice, alongside learning outcomes, self-assessment tests, chapter summaries, and other effective learning tools. This latest edition has been thoroughly updated by a team of international contributors to reflect the current Nursing and Midwifery Council (NMC) Standards for Education, with enhanced online learning resources including an image bank, a searchable online glossary, flashcards, interactive multiple-choice questions, and more. Offering a user-friendly introduction to anatomy and physiology, this textbook: Provides a variety of clinical scenarios and examples to relate theory to practice Outlines the disorders associated with each chapter's topic Presents information on medicines management for each body system Is written by an international team Features extensive supplementary online resources for both students and instructors Is available with accompanying study guide, *Fundamentals of Anatomy and Physiology Workbook* *Fundamentals of Anatomy and Physiology* is the perfect introduction to the subject for student nurses, particularly those in the first year of their course, healthcare assistants and nursing associates, and other allied health students.

The *Australian Medico-Legal Handbook* will be provided with PDA software and aims to give JMOs immediate, clear and concise answers to the most frequently asked legal questions arising during hospital training. Doctors carry very little when they are in the ward but are increasingly carrying PDAs, making the accompanying software an ideal content delivery method. The handbook and accompanying PDA software is the only one of its kind offered to Australian JMOs. Content development is based around the authors' research through ongoing focus groups into the most commonly asked questions by the end user, that is, JMOs in the hospital training environment. Law updates and other relevant materials (including guidelines and links to relevant Health Department documents) will be provided on the accompanying Evolve site. Written by a proven author team, each an expert in the medico-legal and/or ethical fields. Clinical problems will be outlined with cross-referencing to the appropriate sections of the handbook. These questions will be posed in the style and format used by clinicians, for example: 'What if I get sued?' 'What do I do if someone refuses treatment?' 'What deaths do I refer to the Coroner?' 'What if I make a mistake?' 'Who makes decisions about a child's treatment?'

The *Routledge Handbook of Health Communication* brings together the current body of scholarly work in health communication. With its expansive scope, it offers an introduction for those new to this area, summarizes work for those already learned in the area, and suggests avenues for future research on the relationships between communicative processes and health/health care delivery. This second edition of the Handbook has been organized to reflect the goals of health communication: understanding to make informed decisions and to promote formal and informal systems of care linked to health and well-being. It emphasizes work in such areas as barriers to disclosure in family conversations and medical interactions, access to popular media and advertising, and individual searches online for information and support to guide decisions and behaviors with health consequences. This edition also adds an overview of methods used in health communication and the unique challenges facing health communication researchers applying traditional methods to efforts to gain reliable and valid evidence about the role of communication for health. It introduces the promise of translational research being conducted by health communication researchers from multiple disciplines to form transdisciplinary theories and teams to increase the well-being of not only humans but the systems of care within their nations. Arguably the most comprehensive scholarly resource available for study in this area, the *Routledge Handbook of Health Communication* serves an invaluable role and reference for students, researchers, and scholars doing work in health communication.

*Encyclopedia of Clinical Pharmacy (Online)* CRC Press

"*Community Pharmacy: Symptoms, Diagnosis and Treatment 4e* continues to be the trusted guide to differential diagnosis of symptoms commonly seen by Australian and New Zealand community pharmacists. The fourth edition has been carefully and thoroughly revised and reflects changes to over-the-counter drug scheduling and new over-the-counter drugs. In addition, the text highlights trends in pharmacy education and practice, with an emphasis on counselling, communication skills, evidence-based practice and customer requests specific to Australia and New Zealand." -- Back cover.

The *Toxicology Handbook 2e* is a practical, didactic guide to the approach, assessment and management of poisoned patients. It has been written for hospital-based doctors at all levels and describes the risk assessment-based approach pioneered by the principal authors. The concise layout enables the reader to quickly locate information in a poisoning emergency. The book also features locally relevant information on bites, stings and envenoming. This book will also be useful for ambulance service paramedics and pharmacists.

The ultimate editing handbook, updated for the digital age *The Australian Editing Handbook* has become an industry standard, recommended by the Society of Editors, and holds a prominent place on the shelves of writers, editors and students alike. Authors Elizabeth Flann, Beryl Hill and Lan Wang have assembled a comprehensive guide to every aspect of the editing process, from working with authors and receiving manuscripts, to editorial, production, printing and beyond. The modern editor must go beyond editing and proofreading, and is often tasked with obtaining permissions, sourcing supplementary material and keeping the author on schedule and on budget. That means the editor is also the ultimate mediator of style and propriety for the piece, acting as gatekeeper between the author and the public. It's a substantial role, requiring the fundamental knowledge of several different fields to achieve effective results. A guide to managing each aspect of the job, *The Australian Editing Handbook* is an invaluable

resource. The Third Edition includes updated information about the new challenges that editors face in the digital age, including: Editing on-screen Digital publishing Handling ebooks Print media versus online publications The book includes two-color printing to make editing mark easier to understand, and a wealth of charts and diagrams that simplify complex topics and serve as handy quick-checks that make this guide the ultimate desk reference. For professionals and students in the field of editing, writing, publishing or journalism, The Australian Editing Handbook, 3rd Edition is the industry's number-one resource.

The third edition of this best-selling book continues to offer a user-friendly, step-by-step introduction to all the key processes involved in bringing a drug to the market, including the performance of pre-clinical studies, the conduct of human clinical trials, regulatory controls, and even the manufacturing processes for pharmaceutical products. Concise and easy to read, *Drugs: From Discovery to Approval, Third Edition* quickly introduces basic concepts, then moves on to discuss target selection and the drug discovery process for both small and large molecular drugs. The third edition incorporates the latest developments and updates in the pharmaceutical community, provides more comprehensive coverage of topics, and includes more materials and case studies suited to college and university use. Biotechnology is a dynamic field with changes across R&D, clinical trials, manufacturing and regulatory processes, and the third edition of the text provides timely updates for those in this rapidly growing field.

*Mastering Medical Terminology: Australia and New Zealand 2e* is the essential resource for Australian and New Zealand health students seeking to develop their medical vocabulary. Structured to maximise learning through practice, the textbook is divided logically into five modules to guide the learner through the fundamentals of word structure and meaning. It supports the study and understanding of human body structure and function and the application of medical terminology in a healthcare environment.

Australian and New Zealand terminology, perspectives, spelling and pronunciation More than 15 different types of activities including crossword puzzles, anagrams, MCQs, match the column, fill in the blank, label the diagram, analyse and interpret medical documents and word building exercises Over 100 supporting illustrations and tables Simple and understandable explanations for complex medical terms Pronunciation guide for medical terms Supporting resources on Evolve, including: Instructor Resources: - Lesson plans - Semester Plan - PowerPoint slides - Test Bank - Image collection Fully revised and updated to reflect current medical terminology and the healthcare environment Content written with updated medical, diagnostic and therapeutic information An extensive range of activities, exercises and questions in each chapter to reinforce learning and apply to clinical practice Includes eBook on VitalSource

This ebook is a practical guide to all of the issues relating to the care of a child or young person with a life limiting condition. It aims to empower clinicians to care for children at home or as close to home as possible. It is a national resource and a major contribution towards supporting dying children and their families to have the best quality of life. Sections include psychosocial considerations, symptom management, the dying process, bereavement and ethics. New sections for this edition include perinatal palliative care and quality improvement in paediatric palliative care. The booklet includes a number of appendices including commonly used drugs and doses. The booklet where possible tries to be evidence based, and reflects best practice guidelines for the Australian and New Zealand context.

This handbook offers detailed up-to-date information on more than 700 generic drugs.

Perfect for: • Bachelor of Midwifery students • Postgraduate Midwifery students • Combined Nursing degree students • Combined Nursing degree students Midwifery: Preparation for Practice 3e is the definitive midwifery text for Australian and New Zealand midwifery students. The third edition continues to reinforce the established principles of midwifery philosophy and practice—that of working in partnership with women and midwifery autonomy in practice and from this perspective, presents the midwife as a primary healthcare practitioner. It carefully examines the very different maternity care systems in Australia and New Zealand, exploring both autonomous and collaborative practice and importantly documents the recent reforms in Australian midwifery practice. Midwifery: Preparation for Practice 3e places women and their babies safely at the centre of midwifery practice and will guide, inform and inspire midwifery students, recent graduates and experienced midwives alike. • Key contributors from Australia and New Zealand • Critical Thinking Exercises and Research Activities • Midwifery Practice Scenarios • Reflective Thinking Exercises and Case Studies • Instructor and Student resources on Evolve, including Test Bank questions, answers to Review Questions and PowerPoint presentations. • New chapter on Models of Health • Increased content on cultural considerations, human rights, sustainability, mental health, obesity in pregnancy, communication in complex situations, intervention, complications in pregnancy and birth and assisted reproduction • Midwifery Practice Scenarios throughout.

The New Public Health has established itself as a solid textbook throughout the world. Translated into 7 languages, this work distinguishes itself from other public health textbooks, which are either highly locally oriented or, if international, lack the specificity of local issues relevant to students' understanding of applied public health in their own setting. This 3e provides a unified approach to public health appropriate for all masters' level students and practitioners—specifically for courses in MPH programs, community health and preventive medicine programs, community health education programs, and community health nursing programs, as well as programs for other medical professionals such as pharmacy, physiotherapy, and other public health courses. Changes in infectious and chronic disease epidemiology including vaccines, health promotion, human resources for health and health technology Lessons from H1N1, pandemic threats, disease eradication, nutritional health Trends of health systems and reforms and consequences of current economic crisis for health Public health law, ethics, scientific and health technology advances and assessment Global Health environment, Millennium Development Goals and international NGOs

The aim of this handbook is to provide support and Australian-based information for healthcare professionals to give medicines safely to people unable to swallow solid oral medicines.

Medicine deals with treatments that work often but not always, so treatment success must be based on probability. Statistical methods lift medical research from the anecdotal to measured levels of probability. This book presents the common statistical methods used in 90% of medical research, along with the underlying basics, in two parts: a textbook section for use by students in health care training programs, e.g., medical schools or residency training, and a reference section for use by practicing clinicians in reading medical literature and performing their own research. The book does not require a significant level of mathematical knowledge and couches the methods in multiple examples drawn from clinical medicine, giving it applicable context. Easy-to-follow format incorporates medical examples, step-by-step methods, and check yourself exercises Two-part design features course material and a professional reference section Chapter summaries provide a review of formulas, method algorithms, and check lists Companion site links to statistical databases that can be downloaded and used to perform the exercises from the book and practice statistical methods New in this Edition: New chapters on: multifactor tests on means of continuous data, equivalence

testing, and advanced methods New topics include: trial randomization, treatment ethics in medical research, imputation of missing data, and making evidence-based medical decisions Updated database coverage and additional exercises Expanded coverage of numbers needed to treat and to benefit, and regression analysis including stepwise regression and Cox regression Thorough discussion on required sample size

This book provides a comprehensive overview of state-of-the-art applications of nanotechnology in biology and medicine, as well as model organisms that can help us understand the biological activity and associated toxicity of nanoparticles, and devise strategies to minimize toxicity and enhance therapies. Thanks to their high surface-to-volume ratio, nanoparticles are characterized by excellent biocompatibility and bioavailability, a high therapeutic index, and relatively low toxicity, which has led to their widespread application in the early diagnosis of diseases, comprehensive monitoring of disease progression, and improved therapeutics. The book also explores nanoparticle-based insecticides and their mechanisms of action, and provides a comparative analysis of the various model organisms that are used to understand the biological properties of nanoparticles. Further, it describes various in-vivo models that yield important insights into nanomaterial-mediated toxicity, promoting the optimal utilization of nanoparticles. In closing, the book discusses future perspectives and regulatory issues concerning the use of nanomaterials in translational research.

Every year up to 140,000 Australians are rushed to hospital due to medication errors and misunderstandings. The new 2006 edition of The Australian Drug Guide contains over 800 pages of up-to-the-minute information that could mean the difference between life and death for you or someone you know. You'll find the answers to all your questions about the medicines prescribed for you and your family in The Australian Drug Guide. It's you and your family's 'health insurance' in one easy-to-use reference.

The Handbook of Pharmaceutical Manufacturing Formulations, Third Edition: Volume Four, Semisolid Products is an authoritative and practical guide to the art and science of formulating drugs for commercial manufacturing. With thoroughly revised and expanded content, this fourth volume of a six-volume set, compiles data from FDA and EMA new drug applications, patents and patent applications, and other sources of generic and proprietary formulations including author's own experience, to cover the broad spectrum of cGMP formulations and issues in using these formulations in a commercial setting. A must-have collection for pharmaceutical manufacturers, educational institutions, and regulatory authorities, this is an excellent platform for drug companies to benchmark their products and for generic companies to formulate drugs coming off patent. Features: ? Largest source of authoritative and practical formulations, cGMP compliance guidance and self-audit suggestions ? Differs from other publications on formulation science in that it focuses on readily scalable commercial formulations that can be adopted for cGMP manufacturing ? Tackles common difficulties in formulating drugs and presents details on stability testing, bioequivalence testing, and full compliance with drug product safety elements ? Written by a well-recognized authority on drug and dosage form development including biological drugs and alternative medicines

Community Medicine Preparatory Manual for Undergraduates, 3rd Edition - E-Book

Laboratory Animal Medicine is a compilation of papers that deals with the diseases and biology of major species of animals used in medical research. The book discusses animal medicine, experimental methods and techniques, design and management of animal facilities, and legislation on laboratory animals. Several papers discuss the biology and diseases of mice, hamsters, guinea pigs, and rabbits. Another paper addresses the dog and cat as laboratory animals, including sourcing of these animals, housing, feeding, and their nutritional needs, as well as breeding and colony management. The book also describes ungulates as laboratory animals, including topics on sourcing, husbandry, preventive medical treatments, and housing facilities. One paper addresses primates as test animals, covering the biology and diseases of old world primates, Cebidae, and ferrets. Some papers pertain to the treatment, diseases, and needed facilities for birds, amphibians, and fish. Other papers then deal with techniques of experimentation, anesthesia, euthanasia, and some factors (spontaneous diseases) that complicate animal research. The text can prove helpful for scientists, clinical assistants, and researchers whose work involves laboratory animals.

Medical and Veterinary Entomology, Second Edition, has been fully updated and revised to provide the latest information on developments in entomology relating to public health and veterinary importance. Each chapter is structured with the student in mind, organized by the major headings of Taxonomy, Morphology, Life History, Behavior and Ecology, Public Health and Veterinary Importance, and Prevention and Control. This second edition includes separate chapters devoted to each of the taxonomic groups of insects and arachnids of medical or veterinary concern, including spiders, scorpions, mites, and ticks. Internationally recognized editors Mullen and Durden include extensive coverage of both medical and veterinary entomological importance. This book is designed for teaching and research faculty in medical and veterinary schools that provide a course in vector borne diseases and medical entomology; parasitologists, entomologists, and government scientists responsible for oversight and monitoring of insect vector borne diseases; and medical and veterinary school libraries and libraries at institutions with strong programs in entomology. Follows in the tradition of Herm's Medical and Veterinary Entomology The latest information on developments in entomology relating to public health and veterinary importance Two separate indexes for enhanced searchability: Taxonomic and Subject New to this edition: Three new chapters Morphological Adaptations of Parasitic Arthropods Forensic Entomology Molecular Tools in Medical and Veterinary Entomology 1700 word glossary Appendix of Arthropod-Related Viruses of Medical-Veterinary Importance Numerous new full-color images, illustrations and maps throughout

With over 400 drug monographs, this book covers the technical, practical and legal aspects that you should consider before prescribing or administering drugs via enteral feeding tubes.

Written by Gabby Koutoukidis and Kate Stainton, Taberner's Nursing Care: Theory and Practice 8th edition provides students with the knowledge and skills they will require to ensure safe, quality care across a range of healthcare settings.

Updated to reflect the current context and scope of practice for Enrolled Nurses in Australia and New Zealand, the text focuses on the delivery of person-centred care, critical thinking, quality clinical decision making and application of skills. Now in an easy to handle 2 Volume set the textbook is supported by a skills workbook and online resources to provide students with the information and tools to become competent, confident Enrolled Nurses. Key features All chapters aligned to current standards including the NMBA Decision Making Framework (2020), the Enrolled Nurse Standards for Practice (2016) and the National Safety & Quality Health Services Standards (2018) Clinical skills videos provide visual support for learners Supported by Essential Enrolled Nursing Skills Workbook 2nd edition An eBook included in all print purchases New to this edition Chapter 5 Nursing informatics and technology in healthcare focuses on competency in nursing informatics for beginning level practice, aligned to the National Nursing and Midwifery Digital Capability Framework 2020 An increased focus on cultural competence and safety Supported by Elsevier Adaptive Quizzing Tabbner's Nursing Care 8th edition

The Encyclopedia of Clinical Pharmacy is a valuable resource for today's clinical pharmacist and pharmacotherapist. Over 200 researchers and practitioners provide ready access to more than 5,000 primary literature citations and hard-to-find research on: Gene therapy Health service delivery models Best practices documents Pharmaceutical software development Legal controversies, ethical issues, and court rulings Drug dosing and electronic prescription Post-marketing surveillance Generic equivalency Quality management procedures Educational and training programs Compiling expertise and recommendations from the American College of Clinical Pharmacy and the American Society of Health-System Pharmacists, the Encyclopedia unravels the increasing complexity of pharmacotherapy, the problems of medication-related morbidity and mortality, and the impact that clinically empowered pharmacists have on assuring safe and effective pharmaceutical care for patients. This Taylor & Francis encyclopedia is also available through online subscription, offering a variety of extra benefits for researchers, students, and librarians, including: Citation tracking and alerts Active reference linking Saved searches and marked lists HTML and PDF format options Contact Taylor and Francis for more information or to inquire about subscription options and print/online combination packages. US: (Tel) 1.888.318.2367; (E-mail) e-reference@taylorandfrancis.com International: (Tel) +44 (0) 20 7017 6062; (E-mail) online.sales@tandf.co.uk

A one-stop reference for clinicians at all levels faced with uncommon problems in acute medicine.

Written by social workers, PSYCHOPATHOLOGY views mental disorders through the strengths-perspective. It is unique in its ability to summarize the current state of knowledge about mental disorders and applies a competency-based assessment model for understanding psychopathology. Complete with detailed and realistic vignettes that are unavailable in other texts for the course, PSYCHOPATHOLOGY presents strategies for building on clients' strengths and resilience and offers insights to social workers regarding their role in working with the mentally ill. Additional resources available to package with the text, including a DVD and CourseMate, further enhance the text with such helpful material as video illustrating clinician/client interaction, and study tools that reinforce learning. Part of the Brooks/Cole Empowerment Series, the third edition is completely up to date and thoroughly integrates the core competencies and recommended practice behaviors outlined in the 2008 Educational Policy and Accreditation Standards (EPAS) set by the Council on Social Work Education (CSWE). Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Published annually, AMH is widely recognised as Australia's leading independent medicines reference providing concise, practical and reliable drug information. The book is designed with the busy health professional in mind. AMH structure is broken into easy to use chapters, drug classes and monographs, treatments and appendices.

Internists, surgeons, critical care physicians and nephrologists all treat critically ill patients with renal failure and the multiple system organ dysfunction syndrome. A comprehensive review of the state of the art of this topic is definitely needed both in academic and clinical medicine, and Critical Care Nephrology fulfils this need. It is a useful reference tool for both nephrologists and intensive care specialists and it is therefore no coincidence that the editors of the book are themselves specialists in these particular fields. The book addresses the following: definitions of critical illness, epidemiology, monitoring and diagnostic procedures, pathophysiology of organ systems in relation to kidney function, concepts of renal physiologic and pathologic responses to various derangements, oxygen transport and cardiovascular adaptations, hemodynamic parameters, respiratory parameters, mechanical ventilation and cardiac support, and severity score parameters. The book is also devoted to all forms of acute renal failure with specific reference to intensive care patients. The nature of the multiple organ dysfunction syndrome is discussed with special emphasis on the impact of different organs dysfunction and kidney failure. Kidney function and acute renal failure in patients with kidney, liver and heart transplants is also considered, as well as acute illness occurring in chronic hemodialysis patients. Special emphasis is placed on therapeutic interventions and treatment procedures. Different forms of organ support are discussed including liver, lung and cardiac therapy.

Pharmacology is a component of Encyclopedia of Biological, Physiological and Health Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Pharmacology is the study of the actions of chemicals on the body and most usually it is defined as chemicals that can have a therapeutic action to treat disease. Since it looks at the interaction between chemicals and body systems pharmacology utilizes the basic disciplines of chemistry, biochemistry, physiology, pathology and microbiology in its practice. Pharmacology is a foundation science for pharmacy which is the rational prescribing of drugs to treat disease and the foundation science for toxicology which is the study of the toxic actions of chemicals on the body. The two volumes are organized in groups of chapters as follows: The first group of chapters discuss pharmacological principles and these include chapters on Pharmacodynamics; Pharmacokinetics, Neuropharmacology, Autonomic Pharmacology and Clinical Pharmacology. The second group of chapters discusses the processes of Drug discovery and the Safety requirements for drugs to be used therapeutically and include Drug Discovery and Safety Pharmacology assessment. The largest group of chapters discuss different therapeutic areas and include Cardiovascular and renal pharmacology; Endocrine pharmacology; Neuropsychopharmacology; Pulmonary Pharmacology; Gastrointestinal pharmacology; Poisons venoms and toxins; Drugs on skeletal muscle; the Pharmacotherapy of inflammation; Reproductive pharmacology; Pain pharmacology and analgesia. The final group of chapters discuss new approaches and include Pharmacogenetics and pharmacogenomics; Immunopharmacology and Gene therapy. These two volumes are aimed at the following a wide spectrum of audiences from the merely curious to those seeking in-depth knowledge: University and College students Educators, Professional practitioners,

Research personnel and Policy analysts, managers, and decision makers and NGOs.

Even the most experienced clinician cannot be expected to remember all the relevant details of so many and varied uncommon problems of the seriously ill. Some of these problems can be overlooked in even a major Intensive Care textbook, most can be found eventually in specialist textbooks but the impact on intensive care management might well still be disregarded. This book offers a unique approach. Uncommon problems relevant to intensive care have been gathered into a single volume, in which they have been described in sufficient detail to avert much of the need to refer to specialized texts. Moreover, their implications for intensive care management have been highlighted. The book is intended to provide an easy and practical reference, alphabetically arranged, for the clinician at any level faced with such problems at the patient's bedside.

The independent, evidence-based national drug reference, Australian Medicines Handbook is an important clinical resource for health practitioners concerned with the quality use of medicines. Published annually, it contains concise, practical, reliable drug information arranged into chapters, drug classes and monographs, therapeutic information and appendices including a drug interactions section. Comparative drug information makes the Australian Medicines Handbook unique among current drug reference tools, as it assists users to compare drugs within a class and make informed prescribing choices.

This updated and revised 2nd edition of Drug Benefits and Risks is an inclusive reference exploring the scientific basis and practice of drug therapy. The key concept is to look at the balance between the benefits and risks of drugs, but in this context also highlighting the social impact which drugs have in modern societies. Taking an evidence-based approach to the problem, the practice of clinical pharmacology and pharmacotherapy in the developing as well as the developed world is examined. For this purpose the book covers general clinical pharmacology, pharmacology of various drug groups and the treatments specific to various diseases; the book gives guidance on how doctors should act so that drugs can be used effectively and safely; and it encourages the rational use of drugs in society. This publication brings together a large amount of excellent content that will be invaluable for anyone working within, or associated with, the field of clinical pharmacology and pharmacotherapy - undergraduates, postgraduates, regulatory authorities and the pharmaceutical industry.

This publication shows designated first-aid providers how to diagnose, treat, and prevent the health problems of seafarers on board ship. This edition contains fully updated recommendations aimed to promote and protect the health of seafarers, and is consistent with the latest revisions of both the WHO Model List of Essential Medicines and the International Health Regulations.--Publisher's description.

Now in an extensively revised third edition with 65% new material, this is the authoritative reference on posttraumatic stress disorder (PTSD). Contributors examine the breadth of current knowledge on the mechanisms by which stressful events can alter psychological processes, brain function, and individual behavior. Risk and protective factors across development and in specific populations are explored. Reviewing the state of the science of assessment and treatment, the volume covers early intervention and evidence-based individual, couple/family, and group therapies. Conceptual and diagnostic issues are addressed and key questions for the next generation of researchers are identified. New to This Edition \*Thoroughly revised to reflect the accelerating pace of scientific and clinical progress; includes a range of new authors. \*Chapters on new topics: treatment of PTSD with comorbid disorders, and postmortem brain banking. \*New chapters on previously covered topics, including DSM-5 and ICD-11 diagnostic criteria, the psychoneurobiology of resilience, and challenges in implementing clinical best practices. \*New or updated discussions of such timely issues as treatment of refugees, telemental health, and technology-based interventions.

Sugar chains (glycans) are often attached to proteins and lipids and have multiple roles in the organization and function of all organisms. "Essentials of Glycobiology" describes their biogenesis and function and offers a useful gateway to the understanding of glycans.

"Pharmacology for Health Professionals provides a comprehensive introduction to important pharmacology principles and concepts, with a strong focus on therapeutics." "The text has been extensively updated to reflect the latest information on the clinical use of drugs, local aspects of scheduling, drug legislation and ethics." -- Book Jacket.

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