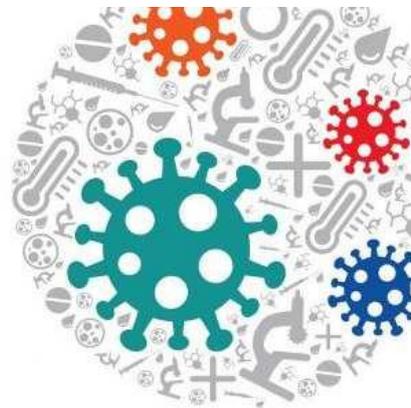


MEDICINE

Medical
Procedures,
Testing and
Technology



Nova
Medicine
&
Health

Ernesto M. Batista

Testing and Contract Tracing for COVID-19

SNova

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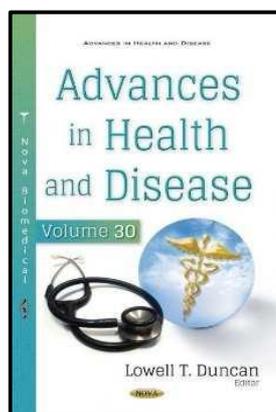
- Advances in Health & Disease
- Advances in Medicine & Biology
- Alcohol & Drug Abuse
- Audiology & Hearing Research Advances
- Cancer Etiology, Diagnosis & Treatments
- Cardiology Research & Clinical Developments
- Dentistry & Oral Sciences
- Dermatology - Laboratory & Clinical Research
- Education in a Competitive & Globalizing World
- Genetics - Research & Issues
- Geriatrics, Gerontology & Elderly Issues
- Health Care in Transition
- Horizons in Cancer Research
- Immunology & Immune System Disorders
- Infectious Diseases & Microbiology
- Medical Procedures, Testing & Technology

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Advances in Health & Disease



Advances in Health and Disease

Edited by Lowell T. Duncan

Advances in Health and Disease. Volume 29 begins with a focus on *Aeromonas* species, Gram-negative rods belonging to the family Aeromonadaceae.

Next, the authors discuss the implications of gut microbiota in children with autism spectrum disorders, assessing the hypothesis that there is a relationship between emotional state and gut microbe abundance through the microbiota-gut-brain axis. The many ways mitochondrial functions are compromised in the diseased state of the kidney are explored, targeting mitochondrial quality control as a promising therapeutic option for treating kidney dysfunctions.

Continuing, this compilation aims to set a new path for vaping through electronic cigarette or vaping associated lung injury analysis in terms of use, regulation and research.

One study attempts to explore parents' perceptions of cerebral palsy, particularly the implications of cerebral palsy on the family in Italy.

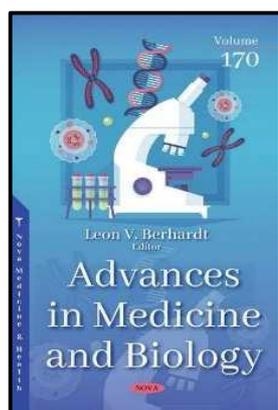
Following this, the authors report on the role of the registered nurse advanced practitioner and registered nurses in the initiation, development and structuring of a child/family-centered pediatric neurosurgery healthcare system.

The concluding review focuses on tumor lysis syndrome, a high mortality complication accompanied by metabolic disorders seen after massive cell destruction as a result of spontaneous or cytotoxic treatment.

Volume 29 - HB 9781536187779 £229.99 November 2020 Nova Science Publishers 223 pages

Volume 30 - HB 9781536188561 £229.99 November 2020 Nova Science Publishers 237 pages

Advances in Medicine & Biology



Advances in Medicine and Biology Volume 170

Edited by Leon V. Berhardt

Advances in Medicine and Biology. Volume 170 begins by presenting the latest evidence that Alzheimer's disease-related proteins and their genes play a role in post-ischemic brain damage, and that an ischemic episode is an essential and leading provider of Alzheimer's disease development.

The authors go on to review the pathophysiology, symptoms, epidemiology, analysis, and treatment of Alzheimer's disease.

Important issues when appraising and interpreting studies on fertility awareness methods used for avoiding pregnancy are described, and correct clinical applications of fertility awareness methods for contraception are also discussed.

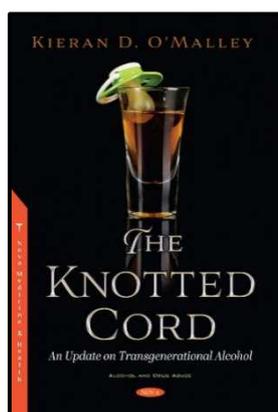
The basic molecular pathology of human cancers is discussed, as well as rising technologies for tumour characterization and the role of molecular profiling in identifying potential targets for individualised treatment.

Additionally, an overview of the various modalities for assessing the liver functional reserve in patients undergoing hepatic resection is provided.

Lastly, data on the linearization of somatic growth plots in humans and rats is discussed, showing the existence of at least two ontogenetic transitions: juvenile and pubertal.

Volume 170 - HB 9781536187120 £229.99 November 2020 Nova Science Publishers 274 pages
Volume 171 - HB 9781536187366 £229.99 November 2020 Nova Science Publishers 229 pages
Volume 172 - HB 9781536187724 £229.99 November 2020 Nova Science Publishers 222 pages
Volume 173 - HB 9781536187885 £229.99 November 2020 Nova Science Publishers 205 pages
Volume 174 - HB 9781536189216 £229.99 December 2020 Nova Science Publishers 265 pages
Volume 175 - HB 9781536190830 £229.99 February 2021 Nova Science Publishers 218 pages

Alcohol & Drug Abuse



The Knotted Cord An Update on Transgenerational Alcohol

Edited by Kieran D. O'Malley

The Knotted Cord: An Update on Transgenerational Alcohol. Is a follow up to the original *The Knotted Cord* published by Nova Science in 2014.

It is written as a conversation between myself in 2014 and then in 2019.

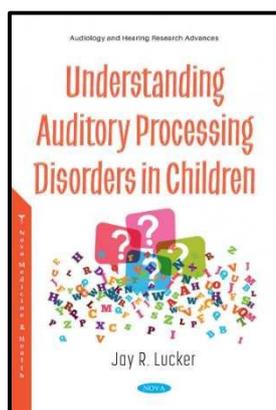
The conversation is structured around the chapters of the initial book. Thus Ireland's toxic romance with alcohol, the stigma of transgenerational alcohol and the ethical dilemma of diagnosing and managing Neurodevelopmental Disorder prenatal alcohol exposure offer the beginning thrust to the book showing what has changed in the intervening five years and what has not changed.

Overall the book is a critical and academic update on the complexities of understanding transgenerational alcohol and its impacts on societies worldwide.

Management has clearly been placed in a Systems of Care paradigm, which is consistent with the 2014 book. However the intervening five years have produced a new clinical instrument, the Early Childhood Service Intensity Instrument (ECSII). The clinical emphasis on mothers and children under five years of age has become the entry into decreasing the impact of transgenerational alcohol.

HB 9781536178593 £211.99 December 2020 Nova Science Publishers 349 pages

Audiology & Hearing Research Advances



Understanding Auditory Processing Disorders in Children

Jay R. Lucker

The field of auditory processing disorders is filled with many publications which may be confusing to someone trying to learn about this topic. The typical approach to auditory processing taken by authors is either viewing such processes as involving only the auditory system, or not differentiating between auditory processes and other processes such as sensory processing, language understanding, or cognitive/thinking factors.

Understanding Auditory Processing Disorders by Dr. Jay R. Lucker presents a comprehensive, integrated approach identifying how auditory processing involves many systems—not merely the auditory system—and describing how different types of auditory processes involve specific systems. Understanding this multisystem approach to auditory processing helps to identify what is going on with children who have problems processing what they hear when hearing loss is not the primary contributing factor.

For parents of children who may have auditory processing problems, this book helps them to better understand what going on with their children and how to modify listening tasks for their children.

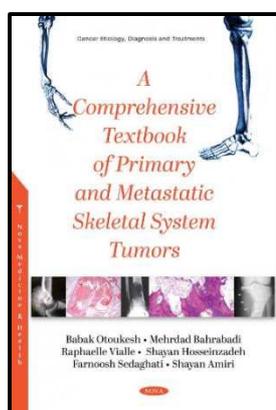
For educators, this book helps them better understand how auditory processing disorders can affect a child educationally, as well as provides recommendations for accommodations that teachers and other professionals can use to make understanding what is spoken in class lessons, conversations, and verbal interactions with adults and children easier.

This book clarifies what is needed for the appropriate evaluation of auditory processing to better understand what systems may be malfunctioning and affecting children's abilities to appropriately process and understand what they hear.

For speech-language pathologists and occupational therapists who may provide treatment for children with auditory processing disorder problems, this book identifies some specific treatments that have evidence-based research associated with improving different factors that contribute to auditory processing disorders.

HB 9781536181685 £146.99 December 2020 Nova Science Publishers 198 pages

Cancer Etiology, Diagnosis & Treatments

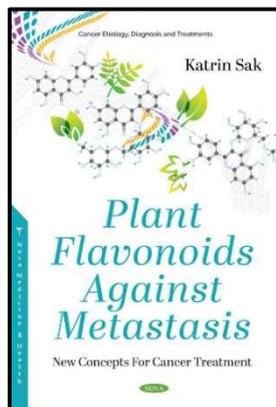


A Comprehensive Textbook of Primary and Metastatic Tumors of the Skeletal System

Babak Otoukesh

This book is a comprehensive textbook of primary and metastatic skeletal system tumors which provide clinical, pathological and imaging data of the skeletal system tumors appropriate for all clinicians who are practicing in oncology wards, especially orthopaedic surgeons. In this book, we discuss the diagnosis and treatment of skeletal system tumors, their clinical signs, and symptoms and we also discuss their pathological aspects of the tumors. We conclude with important images such as plain radiographs, CT scans, MRIs, and bone scan. The most helpful data of each tumor is brought together in order to help patients and clinicians of this widespread part of medicine.

HB 9781536191042 £178.99 February 2021 Nova Science Publishers 243 pages



Plant Flavonoids Against Metastasis New Concepts For Cancer Treatment

Katrin Sak

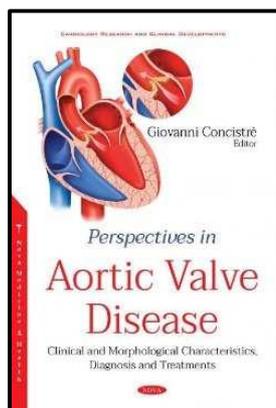
Cancer poses a major threat to human health and is one of the leading causes of death worldwide. Today, we know that metastasis, a multistep process whereby tumor cells spread from the site of origin to distant organs, is responsible for most cancer mortality. In fact, more than 90% of cancer-related deaths are attributed to tumor metastasis. Unfortunately, there are no therapies currently available to specifically target metastasis of any human cancer types, and patients with distant metastases ultimately die from their disease. Current conventional treatment modalities are focused on the removal of tumors by surgical resection and/or the killing of malignant cells using cytotoxic chemotherapeutic drugs or ionizing radiation, with no substantial inhibitory effects on the migratory and invasive abilities of cancer cells. Moreover, emerging evidence has shown that these standard treatment modes can unexpectedly increase the motility and invasiveness of surviving tumor cells, inducing or accelerating metastases formation and aggravating malignant progression. This paradoxical phenomenon can help us to understand why, despite the technological advancements in surgical procedures and drug delivery methods, the overall survival rate of numerous cancer types has barely changed over the past several decades, remaining unacceptably poor. Due to the insufficiency of existing therapies in improving the prognosis of cancer patients, new effective treatment options are urgently needed. To this end, the focus must be moved from a simply cytotoxic approach to a metastasis-preventing strategy, substituting the question of why cancer forms and how to kill it for the question of why tumors spread and how to prevent metastasis.

In this book, a conceptually new approach to cancer management is presented, by focusing not on the killing of transformed neoplastic cells, but blocking the spread of tumor cells to distant organs, thereby restricting malignant progression and targeting the main cause of cancer-related mortality. Plant-derived flavonoids might be ideal candidates for novel antimetastatic agents, as they are non-toxic and possess the capacity to inhibit multiple steps of metastatic cascade. These polyphenolic phytochemicals act through regulating a number of metastasis-associated signaling cascades in different tumor cells, and also modulate diverse components of tumor microenvironments and attenuate the formation of tumor-specific angiogenesis. Moreover, the combination of certain flavonoids with surgical resection, chemotherapy or radiotherapy may result in the abolishment of the metastasis-promoting effects of these conventional therapeutic modalities, providing novel treatment options for combating cancer in the future. It is expected that the development of flavonoids for antimetastatic drugs and their inclusion in further cancer treatment strategies can substantially improve the prognosis of patients with various types of malignancies in a time when cancer incidence is predicted to continuously increase throughout the world.

This book should be read by anyone who is interested in innovative advances in cancer care. Due to its systemic approach to cellular and molecular processes of metastatic cascade, this book might serve as a useful contemporary textbook for medical colleges and universities for studies of cancer development, progression and dissemination.

HB 9781536191028 £247.99 January 2021 Nova Science Publishers 385 pages

Cardiology Research & Clinical Developments

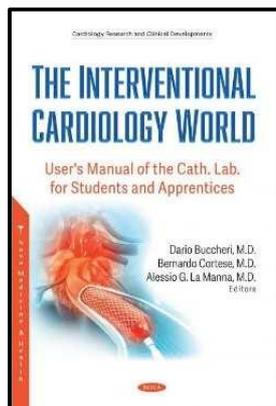


Perspectives in Aortic Valve Disease **Clinical and Morphological Characteristics, Diagnosis and Treatments** Edited by Giovanni Concistrè

This book describes the different aspects of aortic valve including comprehensive discussion of the state-of-the-art diagnostic imaging options, disease risk stratification, selection of candidates for valve repair or percutaneous intervention, and most recent therapeutic options. The growing prevalence of valvular heart disease represents a major challenge in terms of short- and long-term management and surveillance. Aortic valve diseases, including aortic stenosis and regurgitation, are among the most frequent of these, while the number of cases of aortic root disease is also on the rise. Aortic valve disease treatment options include valve surgery, valve repair, minimally invasive valve surgery, and percutaneous approaches and all are covered in this volume.

Perspective in Aortic Valve Disease is a highly illustrated, case oriented reference aimed at cardiology fellows in training, while also helpful to surgeons, cardiologists, imagers, interventionalists, as well as other clinicians and students involved in the diagnosis and treatment of aortic valve and root diseases.

HB 9781536187694 £211.99 November 2020 Nova Science Publishers 397 pages

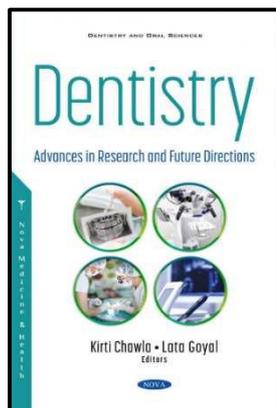


The Interventional Cardiology World **User's Manual of the Cath. Lab. for Students and Apprentices** Edited by Dario Buccheri

The Interventional Cardiology World is a basic but exhaustive manual treating the most diffuse tools and techniques on coronary artery disease invasively managed represented by basic coronary angiography, the most recent functional studies, namely fractional-flow reserve (FFR) and instant-Wave Free ratio (iFR), intravascular ultrasound analysis, optical coherence tomography study but also the newer bioresorbable devices and drug-coated balloons application seen by renowned Experts on the matter.

HB 9781536182491 £211.99 November 2020 Nova Science Publishers 393 pages

Dentistry & Oral Sciences

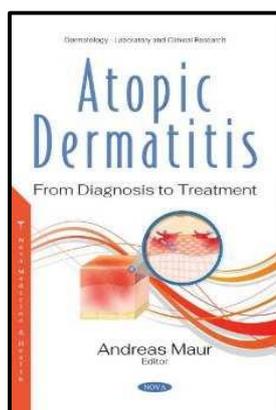


Dentistry **Advances in Research and Future Directions** Edited by Kirti Chawla

This book focuses on the future direction of dental research in every discipline. In this context, dental research must be deliverable to society, not just to churn out scientific publications but to truly change protocols applied in the clinic. Most of the topics covered in this book discuss the current trends and future advances in clinical dentistry as well as dental research. The book covers advances in research, future perspectives and challenges faced in different disciplines of dentistry. Various chapters discuss the recent advances in materials, methods and diagnostics, as well as their future implications. The contents review the applications of big data, artificial intelligence and machine learning in various branches of dentistry like orthodontics, prosthodontics, periodontics, pediatric dentistry, endodontics and oral and maxillofacial surgery. With the world moving into the digital age and advancing technology, we have collated the latest developments in the field of dental research.

HB 9781536190427 £211.99 February 2021 Nova Science Publishers 300 pages

Dermatology - Laboratory & Clinical Research



Atopic Dermatitis From Diagnosis to Treatment

Edited by Andreas Maur

Atopic dermatitis is a chronic inflammatory skin disease that is characterized by xerosis, eczema lesions with skin barrier defects, and severe itch. This compilation describes recent advances in our understanding of intractable itch mechanisms and the development of antipruritic therapies in this condition. Additionally, the authors summarize the current developments in understanding the comorbidities of atopic dermatitis.

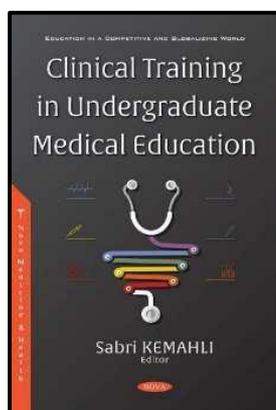
Insight into various emerging therapies along with currently approved treatments is provided. Some proposed interventions are presented regarding the population group that can benefit the most according to the severity of the symptoms, the mechanism of action of the intervention and the possible adverse effects.

The authors use Pentaherbs Formula to educate to readers on efforts in Traditional Chinese Medicine research to adopt this historic and unique complementary medicine as a safer and scientific-based therapy for atopic dermatitis.

In closing, *Atopic Dermatitis: From Diagnosis to Treatment* focuses on topical corticosteroids that are commonly used by dermatologists and general physicians to treat selected difficult dermatoses effectively.

HB 9781536185201 £178.99 November 2020 Nova Science Publishers 253 pages

Education in a Competitive & Globalizing World



Clinical Training in Undergraduate Medical Education

Edited by Sabri Kemahli

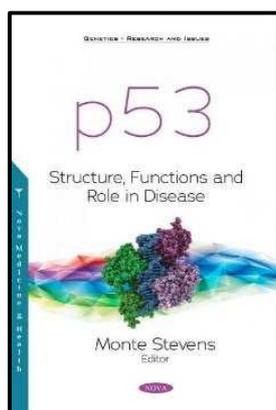
This book is intended to serve the needs of clinical educators in medical schools, especially in clinical clerkships. The bulk of the literature written about undergraduate medical education is on the pre-clerkship phase. Clinical clerkship phase is as important as the previous phase and it is intended to be mostly a hands-on experience and training for the students. Most of this training is by exposure to the clinical activities where the students are required to take part in, contribute to and learn during the continuing clinical activities. It is an exciting but a difficult time for the students. They have to learn the basics and sometimes the details of clinical skills, procedures and in many cases they are expected to perform as a young doctor. They are expected to make good differential diagnosis in the busy clinical environment. Considering all these, clinical education should be organized in a systematic way to allow the students grasp the necessary clinical knowledge, skills and attitudes as they experience the complexities and uncertainties of clinical environment.

The book provides information about basic concepts of clerkship organization and assessment with various models. Equally important is the clinical skills training which starts in the early phases of medical schools. Three chapters have been devoted to this topic.

The organization of clerkships employing various approaches and methods are discussed extensively. Community-based education, use of university and affiliated hospitals, learner-centred clinical education, use of flipped classrooms and integrating basic sciences in clinical clerkships are discussed in separate chapters.

HB 9781536186161 £211.99 November 2020 Nova Science Publishers 340 pages

Genetics - Research & Issues



p53 **Structure, Functions and Role in Disease** Edited by Monte Stevens

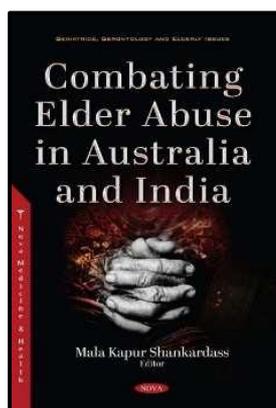
p53: Structure, Functions and Role in Disease discusses the role of p53 dysregulation in different hematologic neoplasms defined by the current WHO classification. The prevalence of p53 aberration, mechanisms of p53 inactivation, regulation of p53 signaling pathway, and prognostic implications of p53 dysfunction in different hematologic malignancies are reviewed.

The authors also discuss the prevalence of p53 mutations in cancers and important mechanisms underlying the impact of p53 mutations such as loss of function, dominant negative effect and gain of function.

Recent findings related to the p53-mediated neuroprotective effects of natural compounds at the cellular, molecular, and behavioral level in various in vitro and in vivo models of neurodegenerative diseases are described, with a focus on Alzheimer's disease.

PB 9781536187717 £87.99 November 2020 Nova Science Publishers 182 pages

Geriatrics, Gerontology & Elderly Issues

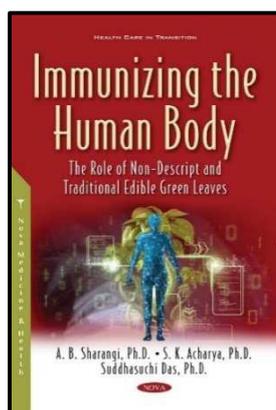


Combating Elder Abuse in Australia and India Edited by Mala Kapur Shankardass

This edited book is based on original work of authors. It discusses elder abuse issues and brings focus on different ways of combating it. The topic of elder abuse has gained importance in recent years especially with ageing of the populations and increase in the number of older people in societies. Australia and India are two important and leading countries in the Asia Pacific region. Their specific country responses are of interest in these regions and even for the world. Combating elder abuse has gained importance in recent times as there are not only different types of elder abuse identified in societies but also there exists various strategies to deal with the problem. What steps are being taken in Australia and India can be examples of combating the menace in the Pacific and Asian region.

The book will of academic interest as it highlights an important concern with which academicians and researchers are increasingly getting involved in different countries and looking for solutions and ways to combat the growing problem from different disciplinary frameworks but mainly from social and legal perspectives which this book takes into account. This is first of its kind book which focuses on two important ageing countries, namely Australia and India, simultaneously, who are increasingly facing the problem of elder abuse, a growing global menace which requires different combating mechanisms to minimize its impact on societies. Social and legal perspectives on tackling the problem of elder abuse in different situations are gaining ground in countries and the chapters in this book discuss different aspects of ways to combat the problem by also discussing aspects of its occurrence in different sections of the society. Issues of vulnerabilities which older people face leading to elder abuse and what kind of societal responses are needed and are being adopted in societies to combat the problem has been highlighted by different authors in the book. Chapters written by experts from the social and legal field from the two countries, giving first-hand account of the situation in terms of care giving issues, financial abuse, rural areas, dementia patients, widows, prevailing legislations, residential care facilities, national and local responses, rights of senior citizens, and broader concerns related to combating the problem would be of interest to cross section of people across the world.

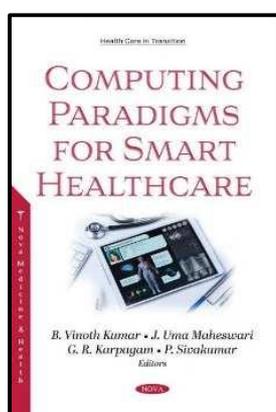
HB 9781536186062 £211.99 November 2020 Nova Science Publishers 308 pages



Immunizing the Human Body **The Role of Non-Descript and Traditional Edible Green Leaves** A.B. Sharangi

The entire human civilization is now facing the disastrous impact of the pandemic. It seems to pose an apocalyptic consequence unless there is a vaccine in existence. Out of so many options, one option is creating immunity in the absence of a real vaccine. So immunizing human health and life can be and would be the most important option in combating COVID-19. Now the question is how to build up this herd immunity. The present book takes into account accumulated facts, information and technology to describe green vegetables as a fresh source and booster of human immunity free from application of pernicious chemicals in the form of pesticides, fertilizers etc. The food should be strong enough to contribute to one's immunity. The authors hope that this book will create a long-lasting impact, away from the classical way of building immunity.

HB 9781536191363 £178.99 February 2021 Nova Science Publishers 251 pages



Computing Paradigms for Smart Healthcare Edited by B Vinoth Kumar

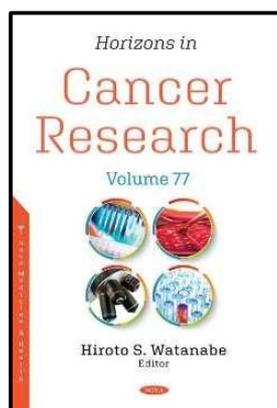
Smart healthcare has gradually gained its popularity because of the development of information technologies and computing paradigms such as internet of things (IoT), big data, Cloud computing and artificial intelligence. These technologies transform the conventional medical system in to smarter one by making healthcare more convenient, efficient, accurate, and more customized. Smart healthcare will lead to a revolutionized healthcare system that enables the participation of all people for the early prediction and prevention of diseases so that preemptive and pro-active treatment can be delivered.

The aim of this edited book is to publish the latest research advancements in the convergence of automation technology, artificial intelligence, biomedical engineering and health informatics. This will help the readers to grasp the extensive point of view and the essence of the recent advances in this field. This book solicits contributions which include theory, case studies and computing paradigms pertaining to the healthcare applications. The prospective audience would be researchers, professionals, practitioners, and students from academia and industry who work in this field. We hope the chapters presented will inspire future research both from theoretical and practical viewpoints to spur further advances in the field.

The entire book is the contribution of interdisciplinary expertise available in the esteemed Institution PSG College of Technology, an ISO 9001:2015 certified Government aided Institution, belonging to Department of Information Technology, Computer Science and Engineering, Electronics and Communication Engineering, Biomedical Engineering and Biotechnology.

HB 9781536186192 £211.99 November 2020 Nova Science Publishers 337 pages

Horizons in Cancer Research



Horizons in Cancer Research

Edited by Hiroto S. Watanabe

In this compilation, an overview of recent achievements in clinical and biosensor technology in the diagnosis of acute lymphoblastic leukemia is provided. Various aptasensors such as optical, electrochemical and mass-sensitive are presented along with a novel approach for the recognition of cancer markers by molecular imaging methods based on atomic force microscopy, single molecule force spectroscopy and topography and recognition imaging.

The authors review the strategies used to screen potential antimelanoma drugs, especially those involved in evaluating drugs in cancer cell lines, in vitro and in vivo, as well as in silico tests used for drug selection.

Following this, a study is presented focusing on gastroenteropancreatic carcinoids tumors, rare slow-growing lesions that derive from primitive stem cells of the gut.

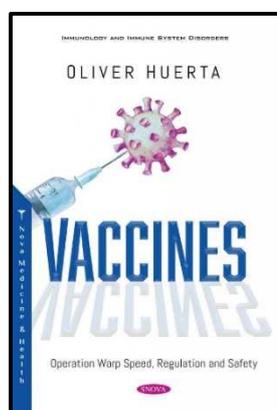
The authors explore the influence of Traditional Formosan medicine on cancer therapy through a literature review and expert opinion. Three clinical experiences of using Formosan medicine for cancer therapy are discussed: acupuncture, herb, and Formosan medicine tongue diagnosis.

The concluding research utilizes the extensive pipelines of the Vienna RNA package for 2D RNA structure prediction, and the result exposes a satisfactory illustration and narration of the predicted RNA structures.

Volume 77 - HB 9781536187175 £229.99 November 2020 Nova Science Publishers 230 pages

Volume 78 - HB 9781536187731 £229.99 November 2020 Nova Science Publishers 248 pages

Immunology & Immune System Disorders



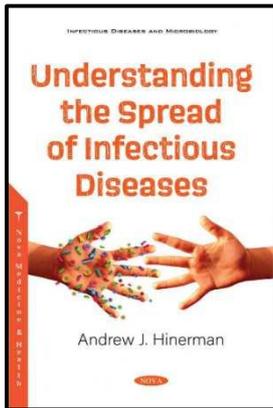
Vaccines

Operation Warp Speed, Regulation and Safety

Edited by Oliver Huerta

In recent months, the Coronavirus Disease 2019 (COVID-19) pandemic has spread globally, with the United States now reporting the highest number of cases of any country in the world. Currently, there are few treatment options available to lessen the health impact of the disease and no vaccines or other prophylactic treatments to curb the spread of the virus. Researchers and product developers are testing numerous types of vaccines—both in the laboratory and in some early-stage testing in humans. This book answers frequently asked questions about current efforts related to research and development of vaccines, their regulation, and related policy issues.

HB 9781536190595 £211.99 January 2021 Nova Science Publishers 361 pages

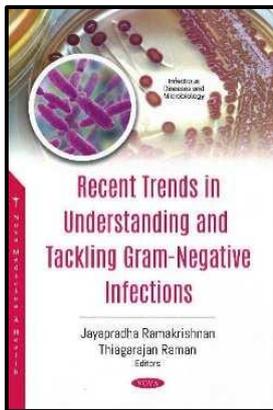


Understanding the Spread of Infectious Diseases

Edited by Andrew Hinerman

Outbreaks of infectious diseases—such as Ebola, Zika, and pandemic viruses—have raised concerns from Congress about how federal agencies use modeling to, among other things, predict disease distribution and potential impacts. Chapter 1 discusses emerging infectious diseases, in light of the recent coronavirus outbreak, and the modeling tools used to detect, predict, and understand the spread of such diseases. Chapter 2 examines the extent to which HHS used models to inform policy, planning, and resource allocation for public health decisions; the extent to which HHS coordinated modeling efforts; steps HHS generally takes to assess model development and performance; and the extent to which HHS has addressed challenges related to modeling.

HB 9781536188929 £178.99 December 2020 Nova Science Publishers 261 pages

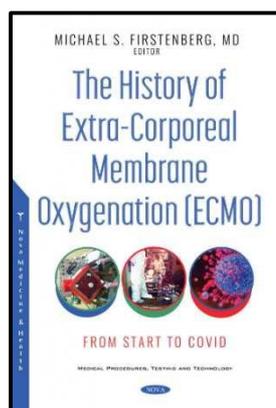


Recent Trends in Understanding and Tackling Gram-Negative Infections

Edited by Jayapradha Ramakrishnan

Antibiotics have vastly changed the way we fight diseases. History is replete with examples of infectious diseases that have killed millions of people worldwide in the past and continues to do so in the present. However, there is one major difference. In the past there were novel classes of antibiotics that were being discovered at regular intervals, and in the present we are running out of options. Moreover, whatever antibiotics we have, microbes have developed resistance, which could primarily be attributed to the injudicious usage of antibiotics, not only for humans but also for veterinary purposes. A previous report from World Health Organization (WHO, 2017) suggests that antimicrobial resistance is a serious hazard and antibiotics under clinical development may not be sufficient (or efficient enough) to treat these emerging resistant pathogens. That report had identified 51 antibiotics and 11 biologicals. Of those, only 12 were found to be active against WHO classified critical priority pathogens and only two of them were found to be active against more than one specific pathogen. Starting with the sulphonamides in the 1930's to lipopeptides in the early 2000's, research and development on novel antibiotics is usually a slow and painful process and currently it will suffice to say that it is on the decline. As per the Infectious Diseases Society of America (IDSA), we are facing what is known as an “antibiotic paradox” that is pushing against the development of novel antibiotics. Interestingly, though there are studies that keep reporting on antibiotics, most of these are on combinatorial use of antibiotics. What could be their effectiveness and more importantly what could be their biotoxicity in the long run, remains unknown. Microbial antibiotic resistance is not a new phenomenon and there are numerous studies that have demonstrated the various mechanisms underlying it. An interesting study by Indian Council of Medical Research (ICMR), has shown that commensals in the gastrointestinal tract of humans might be responsible for the increasing ineffectiveness of antibiotics, at least in Indians. This makes it clear that microbes will keep on producing resistance to antibiotics at a faster rate compared to our ability to develop them. Under these circumstances, natural compounds, primarily plant-based, have become valuable tools and could be our answer to not only effective antimicrobial principles, but also to antimicrobial resistance. These compounds are abundant in nature and there is already a very rich literature on their usage and efficacy based on the various traditional systems of medicine. These natural compounds have been shown to be effective against both Gram positive and Gram-negative pathogens and interestingly microbes have a limited chance (as far as studies show) of developing resistance towards them. This is primarily attributed to the fact that most of these compounds are used as polyherbal formulations.

PB 9781536185034 £87.99 December 2020 Nova Science Publishers 200 pages



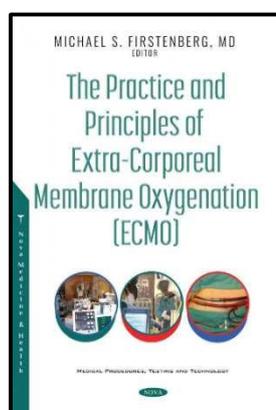
The History of Extra-Corporeal Membrane Oxygenation (ECMO) From Start to COVID

Edited by Michael S. Firstenberg

The history of extra-corporeal membrane oxygenation (ECMO) reflects a true medical success story that has been the result of tremendous dedication, perseverance, teamwork, and years—if not decades—of hard work by countless providers, students, and advocates. This book, the final in a series of three on ECMO, traces the history of extra-corporeal support from the early years when therapy was offered as a last attempt at salvaging those patients who had lost almost all hope of survival, to the modern era and the role of ECMO in the contemporary management of critically ill patients, especially during the COVID-19 pandemic. The chapters illustrate how the technical aspects of ECMO have evolved, as well as the growing role of patient selection and team-based management. Although the role of ECMO for COVID-19 is still evolving, the chapters addressing this topic can serve as a foundation for the many complex systematic issues, beyond just the bedside care of ECMO patients, that must be acknowledged.

Jorge Agustín Nicolás Ruiz de Santayana y Borrás, also known as George Santayana, has been credited with the quote: “Those who cannot remember the past are condemned to repeat it,” [George Santayana (1905) Reason in Common Sense, p. 284, volume 1 of The Life of Reason] a concept that clearly resonates with those involved in ECMO program development, patient selection and management. As such, the primary goal of this text is to help scholars of all levels better understand where we have been and where we are going.

HB 9781536189612 £146.99 January 2021 Nova Science Publishers 226 pages

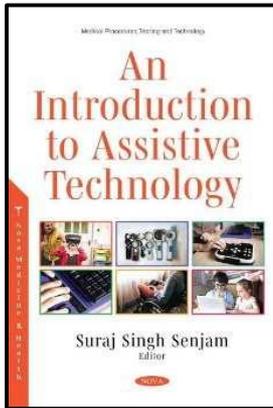


The Practice and Principles of Extra-Corporeal Membrane Oxygenation (ECMO)

Edited by Michael S. Firstenberg

As demonstrated in the first book, the management of patients with profound respiratory failure or cardiogenic shock has evolved significantly over the years with advances in diagnostic and therapeutic options. While the mortality for these often-overlapping problems remains high, progress in the multi-disciplinary approach to these complex clinical problems has improved survival substantially. The focus of this second book is to explore some of the advanced topics and current literature regarding the management of patients requiring extra-corporeal membrane oxygenation (ECMO). As illustrated in the spectrum of topics discussed, ECMO is not only a complex therapy in itself, but the challenges, problems, and complications that arise in this unique area of medicine require engagement by many diverse disciplines. While there are many physiological issues such as organ protection, management of circuit complications, and optimal lung and cardiac protection for recovery, the use of ECMO also introduces a variety of legal and ethical challenges, particularly end-of-life issues (including brain death) in patients for whom recovery, despite extra-corporeal support, is most likely futile. Each of the chapters, written by world-renowned experts in the field, highlights a different important aspect in understanding the complex dynamics of extra-corporeal support and its impact on human pathophysiology. While many of the topics discussed involve sophisticated concepts, each chapter was written with the goal of providing a comprehensive review suitable for any level of training and experience. Many of the topics discussed highlight the state-of-the-art literature along with expert experiences and perspectives as we try to learn more about the overlapping art and science of a field of medicine that has only recently been accepted as a mainstream treatment option. Students of ECMO, ranging from early stage healthcare providers to master physicians, will benefit from the insights presented.

HB 9781536189605 £211.99 January 2021 Nova Science Publishers 369 pages



An Introduction to Assistive Technology

Edited by Suraj Singh Senjam

Globally, more than one billion people suffer some form of disability and may require assistive devices for their functioning. Only 5 to 10% of them can access some level of rehabilitation services. Assistive technology is essential while providing rehabilitation services to people with disabilities or health impairment.

The first edition of this book will help professionals working in habilitation and rehabilitation services, and the chapters cover various aspects of assistive technologies. The first chapter shares existing evidence on assistive technologies (ATs) that aid in rehabilitation intervention among children and adolescents with neurodevelopmental disorders. It provides the reader with a selective overview of the newest empirical contributions available in the literature on the use of AT-based interventions for enabling adaptive skills and reducing challenging behaviors in children with neurodevelopmental disabilities.

The second chapter highlights the ViEW, a computer-based assistive technology for visual impairment. ViEW (Vision Enhancement for the World) is a portable device that uses a computer vision technique to extract textual information. The product can notify the nearest objects surrounding an individual with vision loss and read aloud with audio. The product will aid in teaching students at schools for the blind.

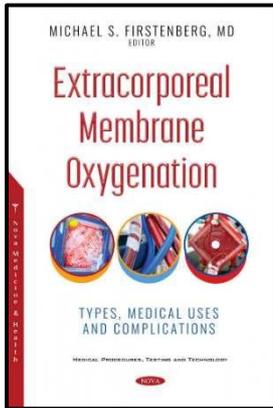
The third and fourth chapters explain the existing classification for ATs for visual impairment and various devices that can be used to perform daily living tasks. This chapter is designed for people working in eye care services, teachers, trainers in schools for the blind, community based visual rehabilitation workers, or other interested persons.

Chapter five presents advanced information and communication technologies (ICT) that may be used in bathroom safety without compromising personal privacy. Bathroom safety is extremely important, especially for older persons living independently at home. The chapter reviews trends in ICT development and presents state-of-the-art solutions for safe bathing, bath accident detection and prevention.

Chapter six describes the applications of assistive software products in children with autism spectrum disorders, where researchers deal with multiple factors to get closer to creating a model for children with autism for use in creating interactive apps.

Chapter seven sheds light on the newest contributions in virtual-reality (VR) based intervention in neurodegenerative diseases (Alzheimer's and/or Parkinson's diseases, amyotrophic lateral sclerosis or multiple sclerosis). The outcomes in the majority of VR based interventions were positive. The final chapter critically reviews the use of ATs and other relevant literature on the patient-centered design of ATs, which will ultimately help adoption pathways.

HB 9781536189353 £146.99 December 2020 Nova Science Publishers 215 pages



Extracorporeal Membrane Oxygenation Types, Medical Uses and Complications

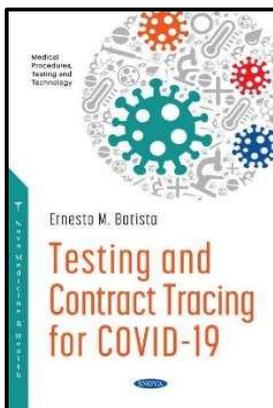
Edited by Michael S. Firstenberg

Extra-corporeal membrane oxygenation (ECMO) is an innovative therapy that is used to support the physiologic needs of a patient during illnesses associated with acute severe respiratory and/or cardiac failure. ECMO is used in those life-threatening situations in which the oxygenation, ventilation, and circulatory support needs of the patient cannot be adequately maintained with a maximal conventional ventilator or pharmaceutical support. Essentially, ECMO is a simple pump circuit that can be used to support the role of failing lungs or hearts while therapies are aimed at organ recovery. While simple in concept and theory, this text illustrates the complexities associated with clinical use. The use of ECMO has evolved substantially overall the years-in part due to broader and growing applications, a better understanding of the technologies and how they can be used (especially in the context of long term human-ECMO circuit interactions), objective tools for patient selection, management protocols, and, most importantly, a growing body of evidence-based science and literature that demonstrates the effectiveness of this highly invasive, resource-intensive, and complex tool.

The goal of this text is to draw from established thought leaders and experts around the world and present a comprehensive review of the rapidly-evolving and expanding literature regarding the spectrum of applications for ECMO. While by no means is this implied to be the final and exhaustive text on this topic, it does aim to be as comprehensive and up-to-date as possible which is, in itself, a challenge given how quickly this field is evolving.

This text is aimed at students and providers, at all levels, who might have interest or be involved in the care of these critically ill patients. Chapters focus on how programs can be structured, the specific details of patient selection, management, and expanding roles of ECMO. Both basic and sophisticated concepts are presented with the goal that all may learn. We also present an objective assessment of some of the evolving challenges and limitations to ECMO in the context of the increased utilization and expansion of this therapy, combined with “sicker” patients, and the ongoing journey towards improved outcomes while offering a salvage therapy to patients who might otherwise die.

HB 9781536189155 £211.99 January 2021 Nova Science Publishers 377 pages



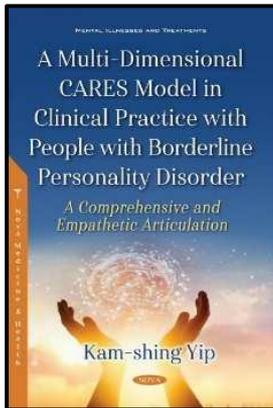
Testing and Contract Tracing for COVID -19

Edited by Ernesto M. Batista

The United States is reporting some of the highest number of cases and deaths from the Coronavirus Disease 2019 (COVID-19) pandemic globally, and the disease is affecting communities nationwide. In response, federal, state, and local governments have undertaken containment and mitigation efforts to “flatten the curve” --that is, to slow widespread transmission that could overwhelm the nation's health care system and to reduce spread of the disease while treatments and vaccines are being developed that will lessen the health impact of the virus. This book provides answers to numerous questions related to COVID-19 testing, including types of testing available and their reliability. It also discusses basic principles of contact tracing to stop COVID-19 transmission.

HB 9781536188578 £211.99 November 2020 Nova Science Publishers 387 pages

Mental Illnesses & Treatments



A Multi-Dimensional CARES Model in Clinical Practice with People with Borderline Personality Disorder

A Comprehensive and Empathetic Articulation

Edited by Kam-shing Yip

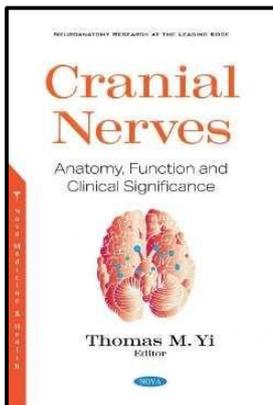
People with borderline personality disorder are always known as the most difficult client group to human service professionals. It is partly because of their highly fluctuating moods and relationships with others as well as their impulsivity and highly risky behaviors such as attempted suicide, self-harm behaviors and substance abuse. Coupled with these are a variety of co-morbid mental illnesses including depressive disorder, hysteria, anxiety disorder and brief psychosis.

This book begins with a comprehensive articulation of diagnosis and etiology of borderline personality disorder. Four borderline conditions are clinically identified; they are pre-borderline condition, full energy condition, low energy condition and post-borderline condition. Among these four conditions, many different types of manifestations are explored. A multi-dimensional articulation of different perspectives of borderline features are mentioned including trauma, attachment, self-splitting and emotionality.

Based on the writers' 30 years of clinical work and supervision of clients with borderline personality disorder, this book is the first step in integrating various clinical perspectives and constructs a comprehensive, empathic and multidimensional CARES model in intervention and practice. "C" implies "Companionship with Chronic Loneliness"; "A" means "Affective Concern behind Projective Anger"; "R" refers to "Reflection of Emotion, Responsibility and Empathy"; "E" implies "Evolving Real Self Constructively"; and finally, "S" means "Soothing and Healing Abandonment Trauma".

HB 9781536133219 £211.99 November 2020 Nova Science Publishers 330 pages

Neuroanatomy Research at the Leading Edge



Cranial Nerves

Anatomy, Function and Clinical Significance

Edited by Thomas M. Yi

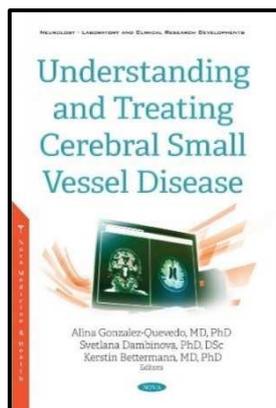
Cranial Nerves: Anatomy, Function and Clinical Significance opens with a summary of the current data on the clinical anatomy and developmental anomalies of the first cranial nerve, the olfactory nerve.

Following this, the authors provide an overview of the second cranial nerve, the optic nerve, which is a vital component of the visual pathway.

The seventh cranial nerve, the facial nerve, which contains the somatic motor and visceral motor, as well as special sensory and general sensory fibers is discussed.

The 10th cranial nerve, the vagus nerve, is explored in closing, focusing on its motor functions responsible for the innervations of the outer ear canal, pharynx, larynx, heart, lung, gastrointestinal tract, stomach, pancreas and liver.

PB 9781536188233 £87.99 December 2020 Nova Science Publishers 152 pages



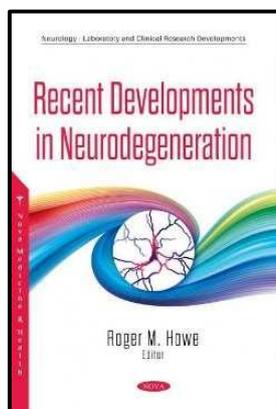
Understanding and Treating Cerebral Small Vessel Disease

Edited by Alina Gonzalez-Quevedo

Cerebral small vessel disease (CSVD) silently affects a large part of the population, increasing in prevalence with age and with the presence of vascular risk factors. Its harmful effects on brain parenchyma increase the risk of stroke, cognitive decline and dementia, and it is responsible for a spectrum of symptoms that are much less obvious, such as unrecognized mild signs or symptoms of neurocognitive dysfunction, mild mood or behavioral disturbances, gait dysfunction, and a general decline in function generally attributed to normal aging. These consequences pose a heavy burden on patients, families and countries that need to be addressed.

Understanding and Treating Cerebral Small Vessel Disease provides an insight into a broad area of research in this field, focusing on topics that deal with the underlying pathophysiological mechanisms of CSVD, recent clinical and neuroimaging findings, biomarker developments, comorbidities, prevention strategies and emerging therapeutic options.

HB 9781536189445 £247.99 December 2020 Nova Science Publishers 476 pages



Recent Developments in Neurodegeneration

Edited by Roger M. Howe

Recent Developments in Neurodegeneration discusses the diverse functions of nitric oxide regarding redox regulation, the cellular energy pool, modifications in genetic material, neurogenesis, the effects on protein degradation mechanisms and functional consociation with glial cells.

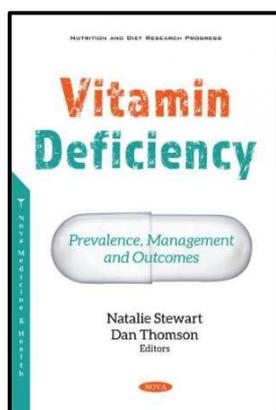
The authors consider the latest evidence that demonstrates that Alzheimer's disease-associated proteins and their genes play a key role in the post-ischemic development of neurodegeneration with dementia.

The main processes associated with secondary tissue damage following traumatic injury to the nervous system are reviewed.

In closing, a comprehensive investigation of the combination of tremor and olfactory perception characteristics among patients with Parkinson's disease and essential tremor is presented.

PB 9781536188592 £87.99 November 2020 Nova Science Publishers 146 pages

Nutrition & Diet Research Progress



Vitamin Deficiency Prevalence, Management and Outcomes Edited by Natalie Stewart

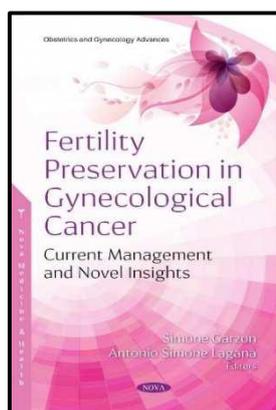
Vitamin Deficiency: Prevalence, Management and Outcomes first assesses the prevalence of vitamin D deficiency and summarizes published randomized controlled studies concerning the supplementation of vitamin D in pregnant women, reporting on the maternal and neonatal outcomes in Asia-Pacific, the United States, Europe, Africa, and the rest of world.

The functions of vitamin K and D are discussed, along with the links between the two vitamins, providing insight on the underlying mechanisms responsible for their role in osteosarcoma and identify future perspectives.

The closing study highlights the vitamin K-dependent biological pathways which are associated with the prevention and treatment of bone metabolism disorders.

PB 9781536189797 £75.99 December 2020 Nova Science Publishers 121 pages

Obstetrics & Gynecology Advances

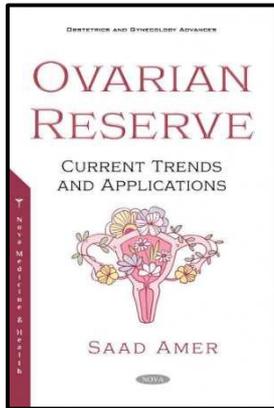


Fertility Preservation in Gynecological Cancer Current Management and Novel Insights Edited by Simone Garzon

This book was written for the complex scenario of fertility-sparing management in gynecological cancer. In reproductive age women, appropriate counseling is mandatory in any cancer diagnosis, including discussing the long-term consequences of the different treatment options on fertility and the possibility of fertility preservation. However, women affected by gynecological cancer must consider that treatment options include hysterectomy and bilateral oophorectomy in most cases. Therefore, in gynecological cancer, the standard treatment often consists of an inevitable loss of fertility. The direct consequence is that fertility preservation management does not always result in the optimal treatment of the disease, which increases the risk of worsening oncologic outcomes.

This book discusses all the elements involved in managing these patients to provide a complete and detailed overview of fertility preservation management options in young women affected by gynecological cancers. Specifically, this book discusses the role of genetic assessment and counseling, the effect of anticancer treatments for gynecological cancer on fertility, classic fertility preservation techniques adapted to gynecological cancer, detailed and specific fertility preservation management for cervical, ovarian, and endometrial cancer, and the role of a multidisciplinary approach in these patients.

HB 9781536191790 £211.99 February 2021 Nova Science Publishers 317 pages



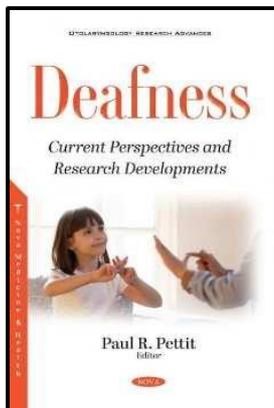
The Ovarian Reserve Current Trends and Applications

Saad Amer

This is the first book that provides a comprehensive and in-depth account of the current state of knowledge on the ovarian reserve and its clinical applications in gynaecology and reproductive medicine. "Ovarian reserve" is a term commonly used to reflect the total number of remaining primordial follicles, which determines a woman's fertility potential. Since its emergence in the late 1980s during the early days of assisted reproduction technology, the concept of ovarian reserve has continued to gain importance in clinical practice and research, as reflected by the exponentially growing number of publications on the topic. A wide range of ovarian reserve markers have been introduced over the years, starting with serum follicle stimulating hormone level in 1988 and most recently anti-Müllerian hormone in 2002. This book starts with a detailed background on the physiology of the ovarian reserve including early ovarian development, follicular dynamics, and the natural history of primordial follicles. This is followed by a comprehensive account of the various biochemical, sonographic, and dynamic markers and their current applications. A special chapter is devoted to anti-Müllerian hormone, which is the most extensively researched and widely used ovarian reserve marker. The role of anti-Müllerian hormone and its clinical utility in polycystic ovarian syndrome is presented in a separate chapter. The book then explores the clinical applications of ovarian reserve testing in various reproductive disorders, including early ovarian aging, diminished ovarian reserve (pathological and iatrogenic), poor ovarian response during assisted reproduction technology, and premature ovarian insufficiency.

HB 9781536189698 £146.99 December 2020 Nova Science Publishers 209 pages

Otolaryngology Research Advances



Deafness

Current Perspectives and Research Developments

Edited by Paul R. Pettit

Deafness: Current Perspectives and Research Developments presents the theoretical foundations for miscue analysis, its utilization with diverse and bilingual students, and prior research conducted with deaf and hard-of-hearing individuals.

The authors focus on a significant challenge to improving the reading achievement of deaf and hard-of-hearing individuals: finding non-biased assessments and compiling test pools of sufficient size in order to identify meaningful patterns.

The viability of vibrotactile stimulation as an alternative to complement and foster linguistic development in the profoundly deaf, particularly those with a prelingual age of onset, is examined.

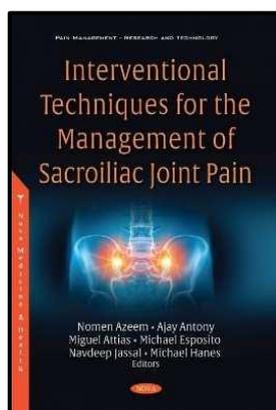
The challenges, opportunities, and goals of researchers and clinicians working in the field of deafness and autism spectrum disorder are explored, emphasizing the need for training more culturally and linguistically competent deaf and hearing adults to conduct research and intervention with deaf children.

In an effort to improve validity, the authors re-design a previous cross-sectional study to measure resilience when deaf/hard of hearing or blind/low vision students entered high school as well as when they exited, usually four years later, and compare the two data points.

The first known project conducted within the United States to evaluate the use of assistive technology for healthcare interactions between student pharmacists and simulated deaf/hard of hearing patients is also discussed.

HB 9781536187526 £146.99 November 2020 Nova Science Publishers 199 pages

Pain Management - Research & Technology



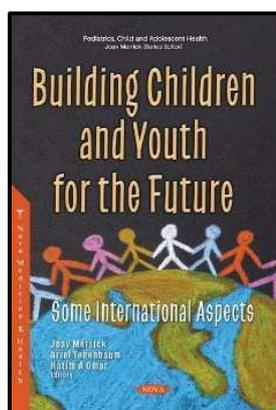
Interventional Techniques for the Management of Sacroiliac Joint Pain

Edited by Nomen Azeem

As the growing prevalence of chronic low back pain continues to burden our healthcare system, identification and treatment of the appropriate source of pain is critical. There may be up to a million patients annually with low back complaints that have sacroiliac joint conditions likely to cause or contribute to the pain. There is an unmet need for a comprehensive clinically focused, fast reference on sacroiliac joint pain treatment. The book is structured into eight chapters that include a robust overview of anatomy, physiology, patient selection, and both conservative and advanced treatments. As the body of evidence compiles for the utilization of minimally invasive techniques for the treatment of low back pain to in lieu of major back surgery, this book provides options that may benefit patients with low back pain with the use of both established and novel treatments. As the healthcare industry continues to invest in research and development of cutting-edge treatments for pain control, this book discusses in detail the most current treatment options available. Written by high profile, nationally recognized experts in the field of interventional pain management, *Interventional Techniques for the Treatment of Sacroiliac Joint Pain* is one of the first manuals of its kind to provide a focused and comprehensive approach to the effective treatment of sacroiliac joint pain.

PB 9781536187670 £75.99 November 2020 Nova Science Publishers 85 pages

Pediatrics, Child & Adolescent Health

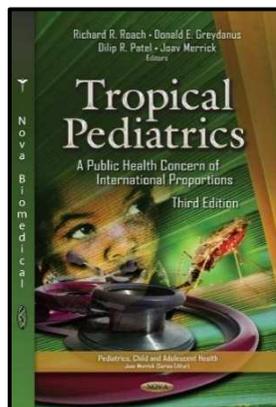


Building Children and Youth for the Future Some International Aspects

Edited by Joav Merrick

In this book we have brought together research from international clinicians, practitioners and researchers from various backgrounds and communities. Some of the papers were presented at the annual Stop Youth Suicide conference in Lexington, Kentucky in November 2019 and some at the Fifth International Conference on Child Health, Development and Welfare in Jerusalem, Israel during December 2019. The topics in this international potpourri of presentations are from a college experience program for people with intellectual disabilities in New York, migration from South Korea, which has emerged as one of the world's largest diaspora nations, discussions on abuse head trauma and adolescent suicide to risk factors for impaired early childhood development in rural India. We hope this collection of papers will be of interest to our international audience and hope you will find useful information from this research.

HB 9781536188066 £146.99 January 2021 Nova Science Publishers 216 pages

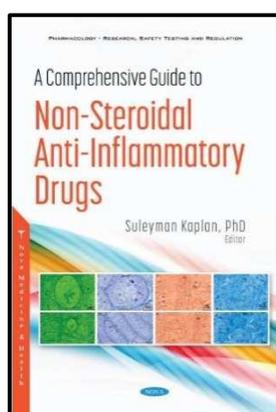


Tropical Pediatrics **A Public Health Concern of International Proportions, 3rd Edition** Edited by Richard R Roach

Tropical medicine is a branch of medicine focusing on disorders usually found in subtropical and tropical areas of the world. Tropical pediatrics is a branch of tropical medicine focusing on children and adolescents in these areas. The current process of global warming and the widespread issue of international travel are bringing these conditions to many places of the globe. This third edition of Tropical pediatrics highlights selective concepts of tropical pediatrics that are of importance to clinicians caring for children and adolescents. This book is dedicated to clinicians around the world who care for these precious patients growing up in often remote corners of globe. It should be remembered that sometimes these issues become important to civilized corners of the world as well. Issues of clean water for the world's population are also considered.

HB 9781536186048 £284.99 December 2020 Nova Science Publishers 498 pages

Pharmacology - Research, Safety Testing & Regulation



A Comprehensive Guide to Non-Steroidal Anti-Inflammatory Drugs Edited by Suleyman Kaplan

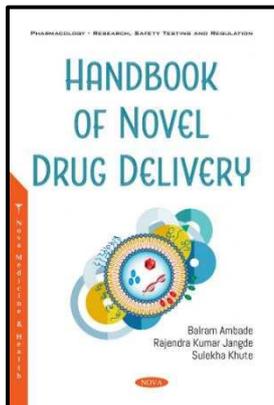
A Comprehensive Guide to Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) begins by describing the general characteristics, classification, pharmacokinetics, pharmacodynamics, clinical uses and adverse effects of NSAIDs. The adverse effects of NSAIDs, drug interactions and their clinical applications in neurological diseases, headaches, and cerebrovascular diseases are discussed. These drugs are also often used in dermatology, especially in the treatment of dermatosis. Extensive information concerning NSAIDs and dermatological diseases is provided. A broad perspective on the role of NSAIDs in infectious diseases is also provided.

The next chapter discusses findings concerning the effects of NSAIDs on bone and tendon healing, together with cellular and molecular factors. The authors suggest that NSAIDs may be a risk factor for tissue healing. Diclofenac sodium (DS), widely used in urology clinics, exhibits dose-dependent side effects on various systems. This chapter suggests that nanoparticle technology can be applied to the oral form of DS in order to reduce its side-effects. The effects of NSAIDs on the reproductive systems of both sexes are also evaluated. Both genders make extensive use of NSAIDs during infertility treatment.

Another chapter focuses on how DS affects spermatogenesis. The authors suggest that DS causes histopathological changes in the testes by disrupting the nutrition of testicular cells and impairing complete testis functions. Men wishing to have children should therefore use this drug with caution. The authors also review the effects of NSAIDs on prostatitis, benign prostatic hyperplasia and prostate cancer.

In the following chapter, the authors examine the role of NSAIDs in gynaecology and obstetrics. Advances in the use of NSAIDs and melatonin in reproductive medicine for both sexes are discussed. The authors describe the biological roles of NSAIDs and melatonin in human reproduction, diseases, pregnancy, and assisted reproductive treatment. The subsequent chapter highlights the side-effects of NSAIDs on the gastrointestinal system.

HB 9781536191288 £284.99 February 2021 Nova Science Publishers 529 pages



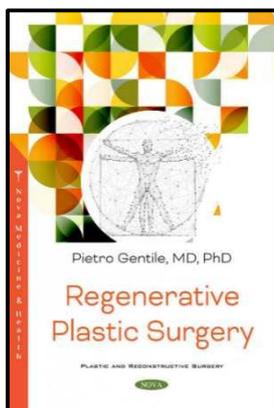
Handbook of Novel Drug Delivery

Balram Ambade

This book presents advances in the field of novel drug delivery, focusing on novel molecules with potential to transform the treatment and preclusion of wound healing. However, such potential is severely compromised by significant obstacles to the delivery of these drugs in vivo. Sophisticated drug delivery and targeting can offer substantial advantages to conventional drugs, such as increased efficiency, handiness, and the potential for line extensions and market expansion. A simple, accessible, and easy-to-read handbook, *Handbook of Novel Drug Delivery* is the first book to provide a comprehensive introduction to the principles of advanced drug delivery systems.

PB 9781536190755 £75.99 March 2021 Nova Science Publishers 77 pages

Plastic & Reconstructive Surgery



Regenerative Plastic Surgery

Pietro Gentile

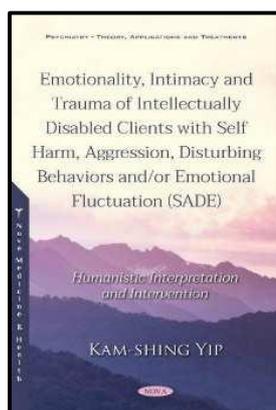
Regenerating damaged organs and tissues, an act that once was considered magic, is currently entrusted to the surgeons who have allowed us to move from replacement and reconstructive plastic surgery to regenerative plastic surgery, through autologous and allogeneic cell-based therapies and growth factors.

The enthusiasm for regenerative plastic surgery and for the treatment of some pathologies addressed by it, such as breast reconstruction, hemifacial atrophy, burns, scars, and aesthetic improvements such as breast and buttock augmentation, face rejuvenation and hair regrowth, has led the author, Professor Pietro Gentile, to rigorously investigate the possible new minimally invasive strategies based on adipose-derived stem cells, human follicle stem cells and growth factors contained in platelet-rich plasma.

This book reports on the latest knowledge regarding the treatment of soft and bone tissue defects.

Therefore, the goal of this text is to introduce and definitively establish this new and interesting field of plastic surgery, called regenerative plastic surgery.

PB 9781536189889 £87.99 December 2020 Nova Science Publishers 115 pages



Emotionality, Intimacy and Trauma of Intellectually Disabled Clients with Self Harm, Aggression, Disturbing Behaviors and/or Emotional Fluctuation (SADE)

Humanistic Interpretation and Intervention

Kam-shing Yip

Intellectual disabilities have long been a concern for both practitioners and academics alike. With the introduction and advocacy of concepts to the public in recent decades, and the normalization and valorization of intellectual disabilities, humanistic concern has become the dominant trend in providing interventions and services for people with these issues.

Today, various ideas for societal inclusion of those with intellectual disabilities have been introduced. However, many practitioners and academics have criticized these ideas as idealistic, and in many ways, inapplicable for actual social inclusion of people with intellectual disabilities.

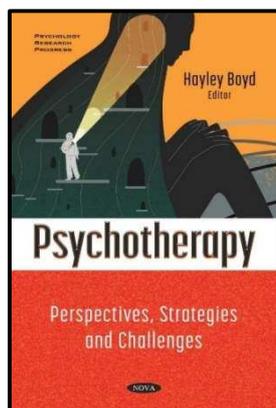
The situation is particularly serious regarding those intellectually disabled individuals presenting various forms of self-harm, aggression, disturbing behaviors, and emotional fluctuation (SADE: S =Self harm, A = Aggression, D = Disturbing behaviors, E = Emotional fluctuation). In many instances, social exclusion, labelling, punishments, deprivation of rights, physical restraints, as well as psychiatric medications are commonly used in controlling intellectual disabled clients with SADE.

A thorough understanding of intellectually disabled clients has revealed that their self-harm, aggression, disturbing behaviors, and emotional fluctuations (SADE) are closely related to their unfulfilled needs, developmental traumas, abuse, neglect, and abandonment in their lives. These individuals have problems in expressing their views and emotions, as well as having severe attachment needs.

Based on the writers' substantial experience, clinical practice, and supervision in working with intellectual disabled clients with SADE, this book is the first to formulate and consolidate the communication, emotionality, intimacy, and trauma based interpretation and intervention for intellectually disabled clients with SADE. This book provides methods for effective, humanistic, normalized, and integrated recovery of these individuals.

HB 9781536152807 £146.99 November 2020 Nova Science Publishers 217 pages

Psychology Research Progress



Psychotherapy Perspectives, Strategies and Challenges

Edited by Hayley Boyd

Psychotherapy: Perspectives, Strategies and Challenges first discusses the biological components of psychotherapy from the perspective of mechanisms of learning, readaptation, and possible mechanisms of neurogenesis.

Following this, the authors highlight recognizable stages of growing from a novice therapist into a seasoned clinician.

The nuances of the psychotherapeutic process of dynamic psychotherapy are explored, analyzing the role of patients' timing in reaching treatment goals, time as a therapist's tool to provide specific interventions and time as a continuous process of the patient's growth, which does not stop with the end of therapy.

Previous reports showing the ameliorating effects of religious interventions on infectious diseases are reviewed, and possible underlying mechanisms are suggested.

This compilation also reviews the major historical psychoanalytic approaches to psychotherapy that address political issues.

Insights from the discipline of psychology on shame and its relation to aggression are presented in the context of domestic violence and political structures from a critical and feminist standpoint.

The relevance of psychotherapeutic interventions for female breast cancer patients is explored, using accounts that provide crucial information about the psychological experience of the disease.

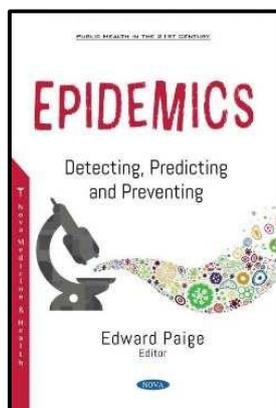
Additionally, successful psychotherapy for depressive adolescents with suicide attempts is studied in a hospital context.

The effectiveness of psychotherapy and intervention programs conducted with mothers and their children is assessed in an effort to inform families to seek effective treatments and researchers to advance their intervention methods and techniques, which contribute to the healthy development of society.

In closing, it is argued that politically sensitive or socially responsible approaches are bound to play a major role in the renewal of psychotherapy.

HB 9781536188776 £211.99 December 2020 Nova Science Publishers 290 pages

Public Health in the 21st Century



Epidemics Detecting, Predicting and Preventing

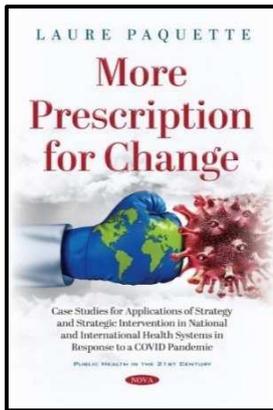
Edited by Edward Paige

This compilation first describes several methods for glycoengineering the COVID-19 virus to present multiple a-gal epitopes for the amplification of a-gal vaccine efficacy against SARS-CoV-2 infections.

Following this, the authors discuss myopia, the most common ocular disorder worldwide. It is the leading cause of visual impairment in children, and its prevalence is increasing rapidly.

In closing, the authors analyze the importance of the detection and prevention of wheat stripe rust epidemics in Argentina within the context of an integrated management of the disease.

PB 9781536189766 £75.99 December 2020 Nova Science Publishers 129 pages

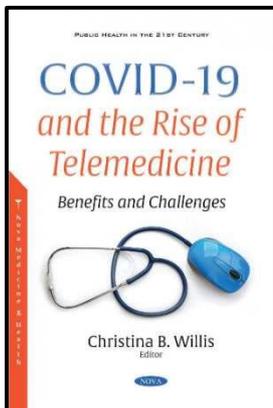


More Prescription for Change **Case Studies for Applications of Strategy and Strategic Intervention** **in National and International Health Systems in Response to a COVID** **Pandemic**

Laure Paquette

This book illustrates the use of strategy by national and international groups using fictional case studies. The cases are fictional in the sense that the information provided was not collected using the methodology used for previous case studies about states or groups of states. Instead, the author combined characteristics and information as she saw necessary in order to make the example clear to the reader. The case studies include: an infra-national group strategizing to cope with a phenomenon, an individual, another infra-national group, a supranational group, a government or state, and a group of government or states. It also includes the study of a phenomenon, here COVID-19. The present book also differs from previous case studies to the extent that the various components of the strategy are not clearly identified. This will allow the self-taught strategist to use them to test their own skills at strategic analysis.

HB 9781536190977 £146.99 February 2021 Nova Science Publishers 194 pages

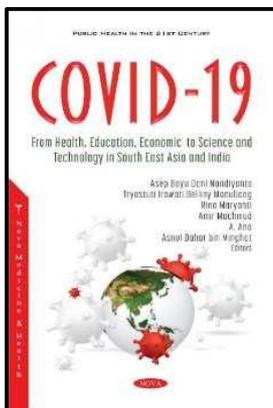


COVID-19 and the Rise of Telemedicine **Benefits and Challenges**

Edited by Christina B. Willis

This book focuses on the benefits and challenges of telemedicine in the age of and when treating COVID-19. Telemedicine can be considered to play a major part in COVID-19 patients' management, because it provides a quick and precise diagnosis that is obtained without unnecessary exposure of the medical personnel. The first chapter focuses on arrhythmias in COVID-19 patients. It is mandatory to assess whether arrhythmias in COVID-19 patients are preventable, treatable or permanent, or if they have long-term effects on the patient's cardiovascular status. The second chapter examines the future of Internet healthcare on the foundation of a traditional model in the age of COVID-19. Next, the pros and cons of telemedicine, including the ways in which virtual telemedicine platforms rationalize and address the costs, accessibility, and quality of care that affect healthcare management are explored. The authors of the fourth chapter look at the legal ethical dilemmas related to the care of COVID-19 patients through telemedicine. And finally, the role of telemedicine in COVID times for neurologists and neurosurgeons in particular are explored in detail.

PB 9781536190816 £75.99 January 2021 Nova Science Publishers 118 pages

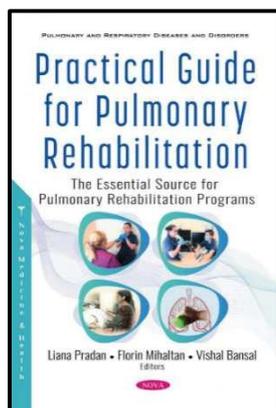


COVID-19 **From Health, Education, Economic, to Science and Technology in** **South East Asia and India**

Edited by Asep Bayu Dani Nandiyanto

A major crisis is happening in the world today. It all started in December 2019, when an outbreak of coronavirus disease 2019 (COVID-19) caused by novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) began in Wuhan City, Hubei Province, China. The World Health Organization (WHO) declared the outbreak a public health emergency of international concern. Despite all preventive steps taken by government and health agencies, rising death tolls seem inevitable. The confines of social distancing have driven society toward a sudden and rapid change in all aspects of life, and we are forced to embrace this change as the new "normal". Research conducted in these uncertain times allows us to identify, and analyze the challenges to finding effective strategies and solutions. This book provides current theoretical perspectives, studies, practices, and innovations that will contribute to society during the COVID-19 pandemic, especially in Southeast Asia and India.

HB 9781536189032 £211.99 December 2020 Nova Science Publishers 373 pages



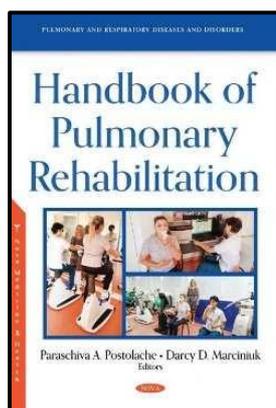
Practical Guide for Pulmonary Rehabilitation **The Essential Source for Pulmonary Rehabilitation Programs** Edited by Liana Pradan

This book provides up-to-date knowledge on almost all aspects of the multidisciplinary approach to pulmonary rehabilitation. The book advises on how to open a pulmonary rehabilitation program, how to evaluate the chronic lung patients for their fitness level, to prescribe exercises, how to tackle aspects like end-of-life care and provides information about telemedicine rehabilitation in the COVID-19 era. The book also covers subjects of interest like the history and future of pulmonary rehabilitation, smoking cessation, physiology of the skeletal muscle, airways clearing, medication, oxygenotherapy and special consideration for elderly patients with co-morbidities.

There are evidence-based explanations regarding all these aspects that will benefit respirologists who have an interest in pulmonary rehabilitation, physiotherapists, occupational therapists, doctors in training, respiratory nurses, and family medicine physicians.

Furthermore, the contributors are professionals with experience in pulmonary rehabilitation in major rehabilitation centers around the world who are known for their research, teaching and publishing in the international arena.

HB 9781536190458 £211.99 January 2021 Nova Science Publishers 386 pages

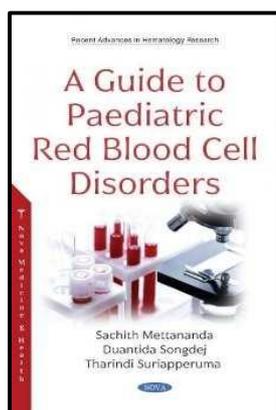


Handbook of Pulmonary Rehabilitation Edited by Paraschiva Postolache

In the last three decades, Pulmonary Rehabilitation (PR) has become a cornerstone in the comprehensive management of Chronic Obstructive Pulmonary Disease (COPD) and other chronic respiratory diseases in adults and children, supported by solid physiological bases and wide scientific evidence, with randomized controlled trials, meta-analysis and several guidelines. PR programs are customized to the needs of each patient and carried out by a multidisciplinary team of healthcare specialists (medical specialists in medical rehabilitation and pulmonology, functional explorations, geriatric physicians, nurses, physiotherapists, nutritionists, psychologists, respiratory therapists, occupational therapists, bioengineers, pharmacologists, in collaboration with a family doctor and pharmacists). As a comprehensive intervention, PR involves good collaboration and communication between team members, thus ensuring maximum comfort and benefit to the patient. PR programs improve the quality of life of patients by increasing their degree of independence and reducing the number of exacerbations, the days of hospitalization due to them, and costs. PR has the ability to reduce symptomatic burden, in particular dyspnea, and muscle deconditioning. In turn, it can increase exercise capacity, reduce anxiety and depression, and improve patients' psycho-emotional status and social reintegration. PR is the standard of care for patients with chronic lung diseases motivated to participate in the rehabilitation program to become more physically active and more independent, being an integral part of clinical management and maintaining health.

HB 9781536188127 £211.99 December 2020 Nova Science Publishers 360 pages

Recent Advances in Hematology Research



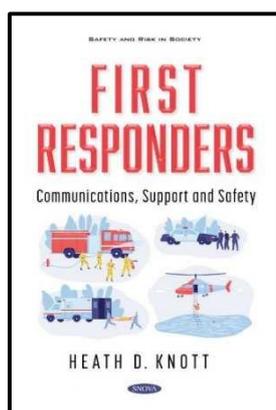
A Guide to Paediatric Red Blood Cell Disorder

Sachith Mettananda

A Guide to Paediatric Red Blood Cell Disorders is a comprehensive text on common red blood cell disorders encountered in children. It is a useful guide to postgraduate doctors training in paediatrics and haematology, medical undergraduates, primary care physicians and practising clinicians. The book is divided into five sections. The first section provides a detailed understanding of the basic concepts and approach to red blood cell disorders in children. This section includes information on the structure and function of red blood cells and haemoglobin, epidemiology and aetiology of anaemia and clinical and laboratory evaluation of childhood anaemia. The next three sections will provide information on paediatric conditions that result in microcytic, normocytic and macrocytic anaemia, respectively. The final section will be on conditions leading to polycythaemia in neonates and children. Throughout the book, the emphasis is given to common conditions that are frequently encountered in clinical practice. However, rare but clinically important conditions have also been included.

HB 9781536186956 £146.99 November 2020 Nova Science Publishers 229 pages

Safety & Risk in Society



First Responders

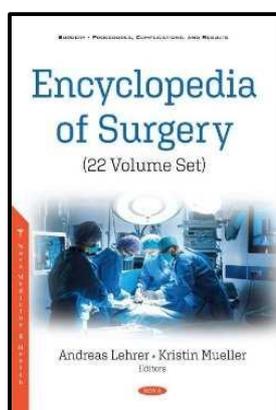
Communications, Support and Safety

Edited by Heath D. Knott

Major natural disasters in the past 3 years, as well as the COVID-19 pandemic, have heightened attention to the nation's ability to respond to these types of emergencies. Police officers, firefighters, and emergency medical service personnel are often the first to respond to a crisis or emergency. This book looks at issues faced by first responders.

HB 9781536191141 £178.99 January 2021 Nova Science Publishers 286 pages

Surgery - Procedures, Complications, & Results

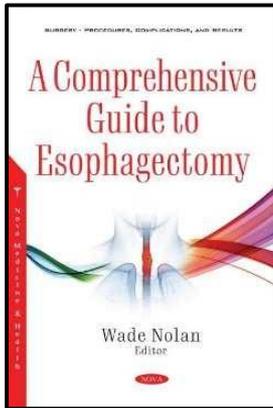


Encyclopedia of Surgery (22 Volume Set)

Edited by Andreas Lehrer

Encyclopedia of Surgery organizes researchers from around the world in surgery and related disciplines and maintains an up-to-date reference work for readers worldwide.

HB 9781536183290 £3,165.99 December 2020 Nova Science Publishers 8281 pages



A Comprehensive Guide to Esophagectomy

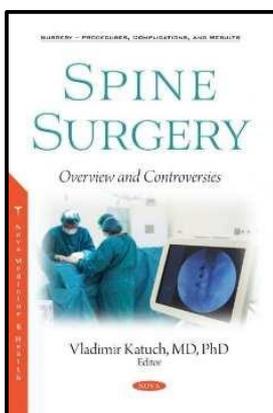
Edited by Wade Nolan

A Comprehensive Guide to Esophagectomy first discusses the benefits of different anastomotic techniques, procedures for improving healing, methods to assess gastric conduit perfusion, and methods for the detection and management of the cervical anastomotic leak after esophagectomy.

The authors review previous literature on minimally invasive esophagectomy, particularly reports that have focused on thoracoscopic esophagectomy with mediastinal lymph node dissection, describing recent advances in robot-assisted minimally invasive esophagectomy for esophageal cancer.

The concluding study focuses on hybrid laparo-thoracoscopic esophagectomy, with the concept of widening the operation area of the laparoscopic transhiatal approach, reducing the operation area of the right thoracoscopic approach and eventually aiming for radical laparoscopic transhiatal esophagectomy without blunt dissection.

PB 9781536188226 £75.99 November 2020 Nova Science Publishers 101 pages



Spine Surgery

Overview and Controversies

Edited by Vladimir Katuch

The possibilities of surgical treatment of spinal disorders have expanded enormously in recent years. Movement conservation, reduction of access routes, and the use of microscope and endoscope have reduced risks and significantly improved the chances of success. However, only by knowing and mastering the various conservative and minimally invasive surgical techniques can one work on individual treatment for the patient.

This book reviews important literature about spinal disorders, describes surgical anatomy of the spine, etiology, pathology, clinical signs, imaging methods of the spinal diseases, and specific techniques of the spinal procedures. The chapter about cervical and lumbar degenerative disc disease will bring new knowledge in the possible therapy, including endoscopic and minimally invasive surgical procedures. The chapter about infections of the spine gives new information about conservative and surgical treatment as well as postoperative complications. The possibilities in surgical treatment in spine tumors will be written in a separate chapter. This chapter provides quite an extensive coverage of tumors related to the spine, and information on their management and treatment, including operative techniques and approaches with spine stabilization. Spinal trauma chapter brings together information on state-of-the-art clinical imaging, including multidetector CT and high-field MRI techniques and the pathophysiology, neurologic evaluation, medical management, surgical treatment, and postoperative assessment of spine trauma and spinal cord injury. Techniques for spinal procedures include the most common types of instrumented procedures such as anterior cervical discectomy and fusion, cervical arthroplasty, occiput C1, and C2 instrumentation, lumbar microdiscectomy, lumbar arthroplasty, posterior, transforaminal and anterior lumbar interbody fusion, and indications and techniques of revision spine surgery.

HB 9781536187533 £146.99 November 2020 Nova Science Publishers 201 pages



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