



Medical Science
Pharmaceutical Sciences

Catalog 2017

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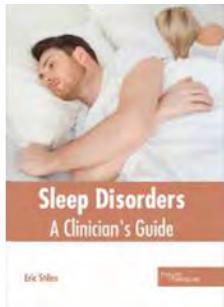
Pharmaceutical Sciences

119

List of Titles

121

Neuroscience & Neurology



Eric Stiles

ISBN: 978-1-63241-445-8
\$140.00 US
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Book Size: 8.5"x11"
227pp./Colored
Hardback

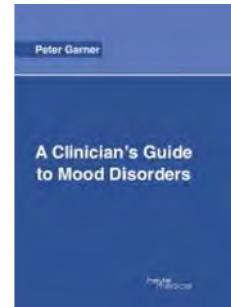
Sleep Disorders: A Clinician's Guide

Sleep disorders are defined as the changes in sleeping patterns or habits that can negatively affect health. This book on sleep disorders aims to shed light on some of the unexplored aspects of this disorder and the recent researches in this field. It aims to provide its readers a wide spectrum of topics that are of utmost importance to sleep disorders. The causes of the disorder are elucidated so that the disorder could be understood in a better manner. This book also lays emphasis on the various techniques of treatment like different somatic treatment along with medicines. This book is an essential guide for both academicians, clinicians and those who wish to pursue this discipline further.

Psychiatry

A Clinician's Guide to Mood Disorders

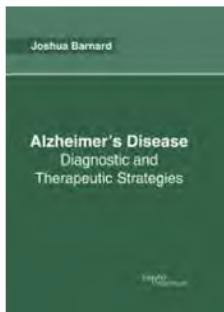
Mood disorders encompass a wide array of mood issues, such as major depressive disorder, dysthymic disorder, bipolar disorder, etc. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of mood disorders. This text will prove helpful for researchers and psychiatrists working in this field as it presents the varied dimensions of this disorder. This book sheds light on the various causes and treatments of mood disorder through the extensive use of examples and case studies. It is an invaluable source of knowledge for those interested in this field of study. The readers would gain knowledge that would broaden their perspective about mood disorders.



Peter Garner

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Psychiatry



Joshua Barnard

ISBN: 978-1-63241-466-3
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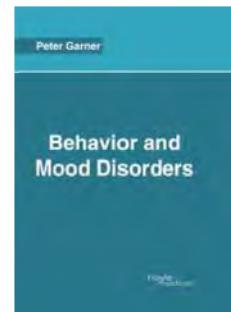
Alzheimer's Disease: Diagnostic and Therapeutic Strategies

Alzheimer's disease is a chronic neurodegenerative disease. The disease usually starts slowly with symptoms like short term memory loss and advances with symptoms like disorientation, mood swing, loss of motivation, etc. The book outlines the various factors leading to Alzheimer's along with methods to diagnose it. This book is compiled in such a manner, that it will provide in-depth knowledge about the various treatments available. Some of the diverse topics covered herein address the varied aspects of Alzheimer's disease in a lucid manner. The book is appropriate for students seeking detailed information in this area as well as for experts and psychiatrists practicing in this field.

Psychiatry

Behavior and Mood Disorders

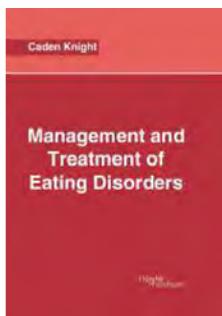
Mood disorders are characterized by disturbances in the person's mood. The objective of this book is to give a general view of the different areas of mood disorders, its relation to individual and social behaviour and its varied aspects. Most of the topics introduced in this book cover new techniques of treating the patients with mood disorders. It aims to provide a plethora of topics ranging from the causes of mood disorders and asocial behaviors to its different strategies of treatment. This book is a vital tool for all researching and studying this field. It includes contributions of experts and scientists which will provide innovative insights into this area of study.



Peter Garner

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Psychiatry



Caden Knight

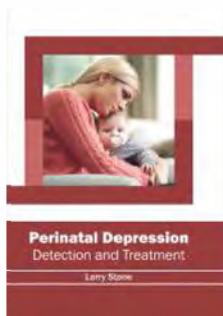
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Management and Treatment of Eating Disorders

Eating disorders adversely impact a person's mental and physical health. They are characterised by abnormal eating habits. Some of the most popular eating disorders include anorexia nervosa, bulimia nervosa and binge eating disorder. This book unravels the recent studies in the field of eating disorders. It provides significant information of this discipline to help develop a good understanding. It provides incredible insights into the diagnosis and treatment of eating disorders. This book will serve as a reference to a broad spectrum of readers including students, researchers, experts and professionals associated with this field.

Psychiatry

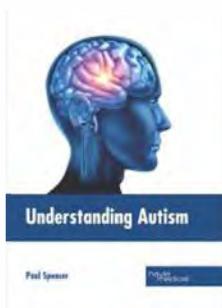
Perinatal Depression: Detection and Treatment



Larry Stone

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Psychiatry



Paul Spencer

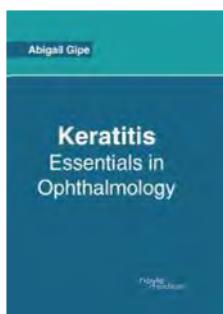
ISBN: 978-1-63241-444-1
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244pp./Colored
Hardback

Understanding Autism

Autism is categorized under neurodevelopmental disorders. It is commonly diagnosed in infants at an early stage by symptoms like impaired communication and interaction. This book discusses the fundamentals as well as modern approaches to understand and study this disorder. The text provides significant information of this discipline to help develop a good understanding of autism and related fields. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included herein. Also, included in this book are the different techniques that are used to diagnose and treat autism like pediatric neuropathology, metabolic and neuroimaging tools to name few. This book is an invaluable source of information for researchers and experts working in this field.

Ophthalmology

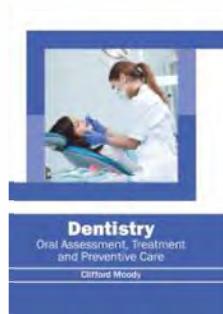
Keratitis: Essentials in Ophthalmology



Abigail Gipe

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Dentistry



Clifford Moody

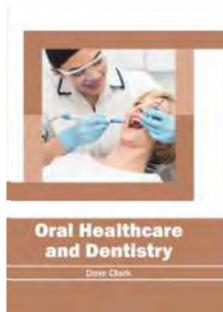
ISBN: 978-1-63241-457-1
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Book Size: 7.75"x10.5"
238pp./Colored
Hardback

Dentistry: Oral Assessment, Treatment and Preventive Care

Oral health care or dentistry is a sub-field of medicinal sciences which is concerned with the proper functioning and wellness of the oral cavity. It includes the diagnosis, treatment and prevention of the disorders and diseases related to dentition and oral mucosa. This book on dentistry traces the progress of this field and highlights some of its key concepts and applications. The topics included in it on oral health care are of utmost significance and bound to provide incredible insights to readers. Coherent flow of topics, student-friendly language and extensive use of examples make this text an invaluable source of knowledge. Students, researchers, experts, dentists and all associated with this field will benefit alike from the book.

Dentistry

Oral Healthcare and Dentistry



Dave Clark

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Dermatology



Heidi Mueller

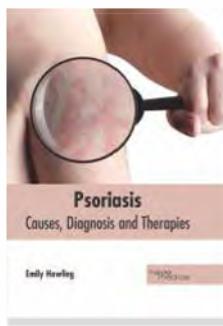
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206pp./Colored
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Dermatitis: Clinical Theory and Aspects

Dermatitis is the disease of the skin. The symptoms include rashes, blisters, itchiness, etc. This book on dermatitis discusses the genetic and environmental factors that cause dermatitis. Corticosteroids and immunosuppressants are common medications that are available for the treatment of dermatitis. Clean environment and hygiene is a vital factor in the prevention and alleviation of various dermatological diseases such as eczema, cradle cap and discoid eczema. Topics included in this text aim to advance research in the field of dermatitis diagnosis and therapy. Different approaches, evaluations, methodologies and advanced studies on dermatitis have been included in this book. For all those who are interested in this field, this book can prove to be an essential guide.

Dermatology

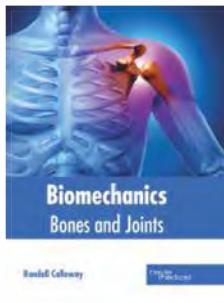
Psoriasis: Causes, Diagnosis and Therapies



Emily Howling

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Orthopedics, Physical Medicine and Rehabilitation



Randall Calloway

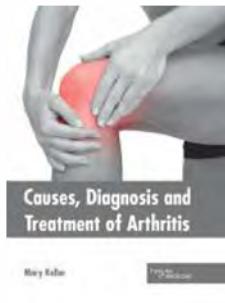
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Biomechanics: Bones and Joints

Biomechanics is the study and research of biological systems. This book on biomechanics discusses the mechanisms under work in the musculoskeletal system when faced with various stimuli. Biomechanics is applied in the fields of sports and exercise physiology to study movement and muscle development. Procedures in this field are also applied in engineering. The topics covered in this book offer the readers new insights in the field of biomechanics. It covers in detail some existent theories and innovative concepts revolving around this discipline. The various advancements in biomechanics are glanced at and their applications as well as ramifications are discussed. This book will prove to be immensely beneficial to students and researchers in this field.

Orthopedics, Physical Medicine and Rehabilitation

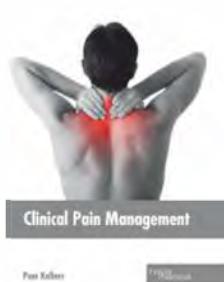
Causes, Diagnosis and Treatment of Arthritis



Mary Kellar

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Orthopedics, Physical Medicine and Rehabilitation



Pam Kellner

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Hardback

Clinical Pain Management

Pain management is defined as the science of easing chronic pain and improving quality of life. This book on clinical pain management discusses pain intensity and the effectiveness of technology to assist in physiotherapy. Those experiencing chronic pain go through intense emotional and physical stress. Pain management techniques involve cognitive behavioural therapy, interventional procedures like injections, etc. This book strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. Most of the topics introduced in this text cover new techniques and applications of pain management. This book will be a great help to those in the fields of anaesthesia, physiotherapy and musculoskeletal sciences.

Orthopedics, Physical Medicine and Rehabilitation

Human Kinetics



Newman Wagner

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Orthopedics, Physical Medicine and Rehabilitation



Randall Calloway

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Hardback

Kinesiology: The Mechanics of Body Movement

Kinesiology is an upcoming field of science associated with the study of body movement. It has undergone rapid development over the past few decades. This book on kinesiology deals with the application of kinesiology in physical therapy and physical movement. The study of human kinetics can help design and execute improved exercise and physiotherapy routines. Health education, athletic training and disability management are some of the fields that are aided by this field. The topics covered in this book offer the readers new insights in the field of kinesiology. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.

Orthopedics, Physical Medicine and Rehabilitation

Pain Management: A Multidisciplinary Approach

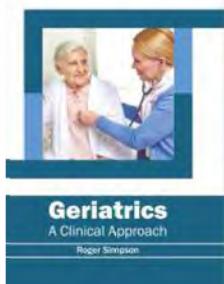
Pain Management is defined as the treatment of chronic pain and injury. This book on pain management deals with topics related to injury and pain management, long-term and immediate treatment of pain and its diagnosis, etc. Pain management treatment has various techniques such as physiotherapy and massage, interventional injections, behaviour therapy and psychotherapy and alternative medicinal practices such as acupuncture. Chronic pain often goes misdiagnosed and misunderstood, especially among the elderly. This book discusses fundamental as well as modern approaches of pain management. It consists of contributions made by international experts. This book will be helpful for students, experts and researchers in the field of pain management.



Sidney Gillespie

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Ageing



Roger Simpson

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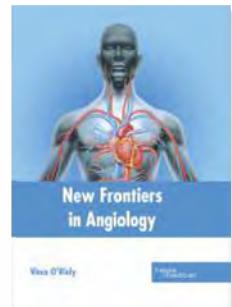
Geriatrics: A Clinical Approach

Geriatrics is a specialty that focuses on health care for elderly people. It strives on promoting health care of the elderly by preventing and treating diseases and disabilities. The topics covered in this extensive book deal with the core aspects of this specialty. This book discusses the sub-fields of geriatrics like cardiogeriatrics, geriatric pharmacotherapy, etc. amongst others. It also elucidates the various techniques and strategies that are meant for the well-being of the elderly people. This book is a valuable source of information for students, researchers and doctors working in this field. The extensive content of this book provides the readers with a thorough understanding of the subject.

Cardiology

New Frontiers in Angiology

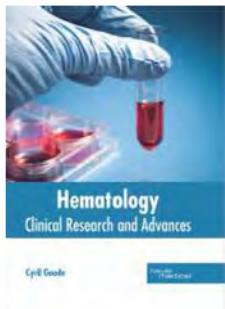
The study of physiological process through which new blood vessels are formed from the pre-existing vessels is called angiography. This field is also known as vascular medicine and studies in detail the diseases related to arteries and veins such as cardiac arrhythmia, heart attack, etc. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of angiogenesis. This text on angiography elaborately discusses the application of angiogenesis in medicine. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. The topics covered in this book offer the readers new insights in the field of angiography and its varied applications.



Vince O'Riely

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Hematology



Cyril Goode

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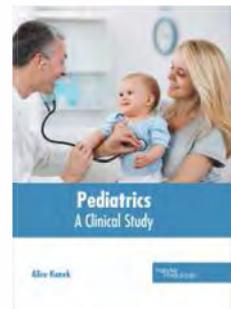
Hematology: Clinical Research and Advances

This book provides significant information about hematology to help develop a good understanding of this subject and related fields. Blood cells are the cells found in blood and are produced by hematopoiesis. They are essential for the survival of all the living organisms. The three main types of blood cells are white blood cells, red blood cells and platelets. This text includes some of the vital pieces of work being conducted across the world, on various topics related to blood cells. This book elucidates the concepts and innovative models around prospective developments with respect to hematology. It will provide comprehensive knowledge to the readers. Students, researchers, doctors and all associated with this subject will benefit alike from this book.

Pediatrics

Pediatrics: A Clinical Study

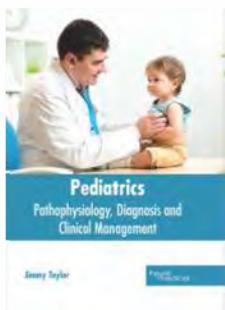
Pediatrics as a field of medicinal sciences is concerned with the practice of providing medical care to infants and children. It includes diagnosing, treating and preventing diseases in children by providing proper medication and advice. Some of the varied sub-specialities of pediatrics are adolescent medicine, pediatric pulmonology, pediatric cardiology, child abuse pediatrics, pediatric hematology, etc. This book outlines the practices and applications of this field in detail. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. This text is a complete source of knowledge on the present status of this important field. Students, researchers, experts and paediatricians will benefit alike from this book.



Alice Kunek

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Pediatrics



Jimmy Taylor

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Pediatrics: Pathophysiology, Diagnosis and Clinical Management

Pediatrics as a study, deals with the healthcare and physical maintenance of children and infants. The body of a child is different from that of an adult, therefore, the treatments used to treat their organs and other diseases are different as well. Pediatricians examine, treat and prevent disorders affecting infants and children. This book elucidates new techniques and their applications in a multidisciplinary approach. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. Students, researchers, pediatricians and all associated with pediatrics will benefit alike from this text. It includes contributions of experts and scientists which will provide innovative insights into this field.

Oncology

Ovarian Cancer: Risks, Prevention and Management

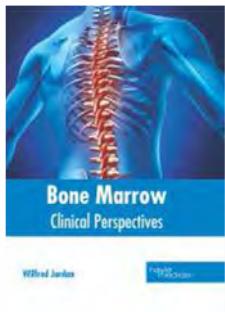
This book on ovarian cancer discusses the treatment, health care and rehabilitation methods that are prevalent for ovarian cancer. Common treatments include a combination of radiotherapy and chemotherapy. Topics in this book address the complexities that are involved in treating this disease. It unravels the recent studies in the field of ovarian cancer. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. For all readers who are interested in this field, the case studies included in this book will serve as an excellent guide to develop a comprehensive understanding. It aims to equip students and experts with the advanced topics and upcoming concepts in this area.



Lester Price

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Stem Cell Research



Wilfred Jordan

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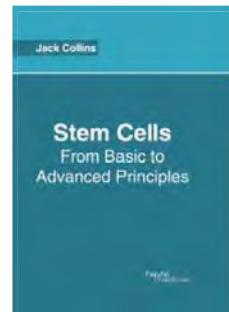
Bone Marrow: Clinical Perspectives

Bone marrow cells are cells that are present in tissues found in bones. Bone marrow generation is closely associated with the lymphatic system and the immune system. Transplant of bone marrow cells can treat diseases like leukemia and inflammatory bowel disease. This book unravels the recent studies in the field of bone marrow. It elucidates new techniques and their applications in a multidisciplinary approach. This book is appropriate for students seeking detailed information in this area as well as for the experts. Coherent flow of topics, student-friendly language and extensive use of examples make this book on bone marrow cells an invaluable source of knowledge.

Stem Cell Research

Stem Cells: From Basic to Advanced Principles

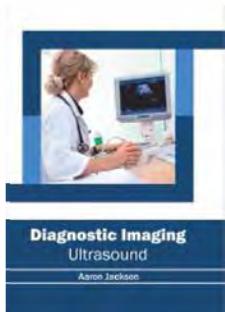
Stem cells are cells that are undifferentiated but can become specialized cells through cell division. This book on stem cells discusses the fundamental concepts in the harvest and implementation of stem cells for medical research. Clinical and experimental research of stem cells has focused on their restorative capability which could potentially regenerate damaged and diseased organs. Current stem cell therapy includes bone marrow transplantation as well as cure for neurodegenerative diseases. This book will help new researchers by foregrounding their knowledge in this branch of medicine. It covers in detail some existent theories and innovative concepts revolving around stem cells. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.



Jack Collins

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Diagnostic Imaging



Aaron Jackson

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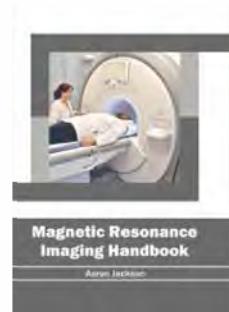
Diagnostic Imaging: Ultrasound

Ultrasound is widely used for diagnostic imaging. Some of the commonly studied and imaged body parts under ultrasonography are joints, muscles, internal organs, etc. This book covers in detail some existent theories and innovative concepts revolving around ultrasonography. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject. This book outlines the importance of ultrasound imaging in the field of medicine. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

Diagnostic Imaging

Magnetic Resonance Imaging Handbook

Magnetic resonance imaging, popularly known as MRI is an imaging technique used in radiology to image the anatomy of the body. It is widely used for medical diagnosis. The book elucidates the various sub-categories of MRI, along with its varied uses and benefits. It aims to provide a comprehensive knowledge of different types of tools and methods of magnetic resonance imaging for readers across the globe. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in this field. For all those who are interested in the nuanced understanding of magnetic resonance imaging, this book can prove to be an essential guide.

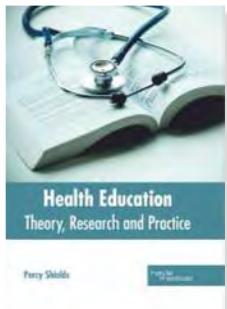


Aaron Jackson

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Medical Science

Health Care



Percy Shields

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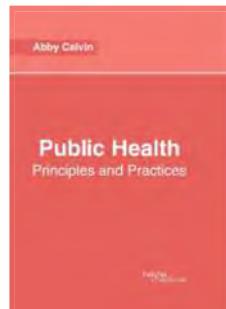
Health Education: Theory, Research and Practice

Health education is defined as the area of health concerned with education. Environmental, emotional, physical and social health are some of the key areas of health education. Increased awareness is facilitated by both surveying as well as policy-making. This book outlines the processes and applications of health education in detail. The topics included herein are of utmost significance and bound to provide incredible insights to readers. This book is vital for students and researchers in the field of hospital management, public health and pharmaceutical sciences.

Health Care

Public Health: Principles and Practices

Public health is an emerging field of study. It is concerned with preventing diseases and facilitating a good quality of life. This involves analysing population health and devising necessary strategies. This book contains some path-breaking studies in the field of public health. It studies, analyses and upholds the pillars of public health and its utmost significance in modern times. While understanding the long-term perspectives of the topics, this book makes an effort in highlighting their impacts as a modern tool for the growth of the discipline. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts. The readers would gain knowledge that would broaden their perspective about public health.



Abby Calvin

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HIV & AIDS



Chris Stinson

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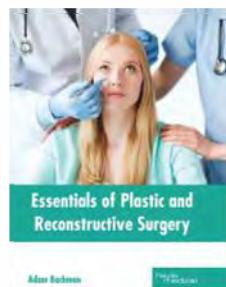
Current Progress in HIV Research

HIV or human immunodeficiency virus is a virus that infects the human immune system and causes AIDS. This book on HIV research discusses the ongoing research that is taking place with regard to the restoration of immunity within the human body. Early detection and treatment can greatly reduce the damage that can be caused by the HIV virus. Medication can also slow down the mutability of the virus. Through this book, we attempt to further enlighten the readers about the new concepts in this field. It presents researches and studies performed by experts across the globe. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

Surgery

Essentials of Plastic and Reconstructive Surgery

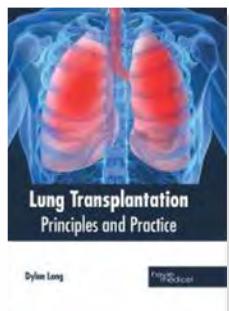
Plastic surgery refers to the surgical practice of reconstructing and restoring the human body. It is widely used in cosmetic surgery to beautify one's body. It is also applied in reconstructive surgery to restore the function and form of the affected body part, as well as in craniofacial surgery, microsurgery, burn treatment, etc. This book gives detailed information about plastic surgery and its applications and techniques. It includes thorough insights about its various sub-specialities. The book presents researches and studies performed by experts across the globe. Coherent flow of topics, student-friendly language and extensive use of examples make this text an invaluable source of knowledge. Students, researchers, experts, surgeons and all associated with plastic and reconstructive surgery will benefit alike from this book.



Adam Bachman

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Surgery



Dylan Long

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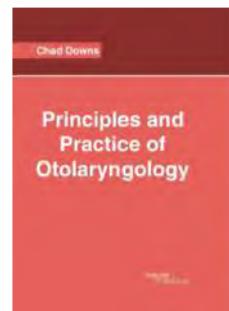
Lung Transplantation: Principles and Practice

This book discusses the fundamentals as well as modern approaches of lung transplantation. It unfolds the innovative aspects of this subject which will be crucial for the progress of this field in the future. Lung transplantation is an extensive surgical procedure in which the diseased lung is partially or fully replaced by a healthy lung. The various types of lung transplants are lobe transplant, heart-lung transplant, double-lung transplant, etc. This text aims at providing readers the most important concepts, theories and applications related to this field. It studies, analyses and upholds pillars of lung transplantation and its utmost significance in modern times. This book consists of contributions made by international experts. It will prove to be a beneficial resource guide for readers.

Surgery

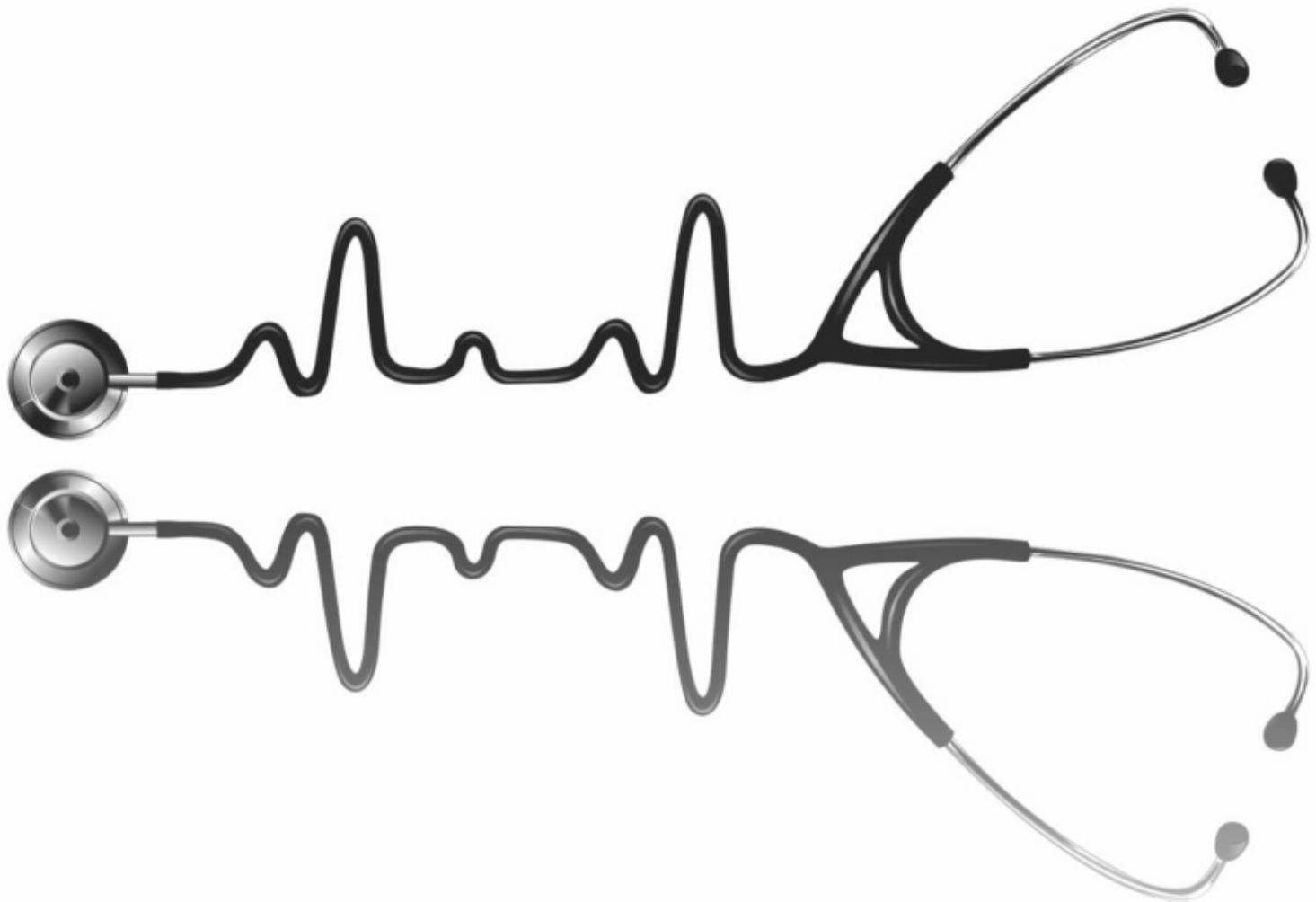
Principles and Practice of Otolaryngology

The area of medicine that deals with disease and disorders of the ear, nose and throat region is called otolaryngology. The discipline also encompasses diseases of the adjoining head and neck areas. Otolaryngology is often referred to as a sub-discipline of surgery. This book presents researches and studies performed by experts from varied parts of the world. It aims to provide to its readers a broad spectrum of topics that fall under this field. This book is a compilation of interesting case studies from across the globe that would help in understanding the subject manner in comprehensive way. It will help the readers in keeping pace with the rapid changes in this field.



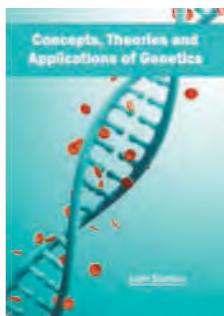
Chad Downs

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Medical Science

Medical Genetics



Luke Stanton

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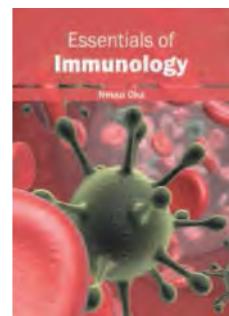
Concepts, Theories and Applications of Genetics

Genetics is a field of study which generally comes under the branch of biology but sometimes it is closely related to information systems and life sciences. It refers to the study of genes, genetic variation and heredity in living beings. It has many branches namely evolutionary genetics, ecological genetics, human genetics, microbial, molecular and medical genetics, etc. This book traces the progress of this field and highlights some of its key concepts, theories and applications. It contains some path-breaking studies in this field. It includes the topics which are of utmost significance and are bound to provide incredible insights to the readers. Coherent flow of topics, reader-friendly language and extensive use of case studies make this book an invaluable source of knowledge and a beneficial guide of reference for both academicians and students.

Immunology

Essentials of Immunology

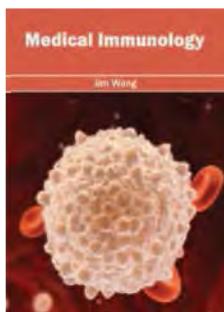
Immunology is the branch of medical science that maps and measures the functioning of physiological aspects of the immune system, as well as deals with the diagnosis and treatment of diseases related to it. It aims at finding cure for immune deficiency, autoimmune diseases, transplant rejection and hypersensitivities. It has applications in several disciplines such as parasitology, psychiatry, dermatology, virology, bacteriology, oncology and organ transplant. This book traces the progress of immunology and highlights some of its key concepts and applications. Different approaches, evaluations, methodologies and advanced studies on essential topics of this field have been included in it. Students, researchers, experts and all associated with the area of immunology will benefit alike from this book.



Nessa Oka

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Immunology



Jim Wang

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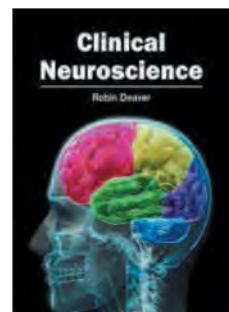
Medical Immunology

Immune system is responsible for defending the body against disease causing agents whether internal or external. It generates antibodies to counter possible infections. Immunology is a rapidly progressing discipline playing a vital role in diverse fields of medical science such as oncology, parasitology, organ transplantation, etc. This book aims to shed light on some of the unexplored aspects and recent researches in this field. Different approaches, evaluations, methodologies and advanced studies have been included in this book. Scientists and students actively engaged in this area will find this book full of crucial and unexplored concepts.

Neuroscience & Neurology

Clinical Neuroscience

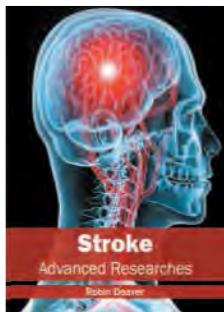
Neuroscience is the branch of science that deals with the detailed study of the central nervous system. It is an interdisciplinary field that encompasses cognitive science, computer science, mathematics, medicine, genetics, and also combines disciplines such as psychology, philosophy and physics. The composite structure of the brain is more complex than any other part of the body. This discipline tries to study the structure, working, changes and malfunctions of brain. This text sheds light on the unexplored concepts and applications of neuroscience. It presents researches performed by experts across the globe which cover significant aspects related to all branches of this field. This book contains some path-breaking studies in the field of clinical neuroscience. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.



Robin Deaver

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Neuroscience & Neurology



Robin Deaver

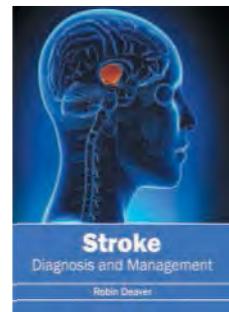
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Stroke: Advanced Researches

Stroke is the scientific term used for brain attack. It occurs due to a blood clot that stops the flow of blood or a ruptured blood vessel which results into excessive flow of blood to the brain, causing hemorrhage. It could be of two types ischemic, which is caused due to loss of blood supply and hemorrhagic, that occurs due to excessive bleeding within the skull cavity. These attacks generally leave a person with damaged brain, hampered body movement, abnormal speech and weakness in arms and legs. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of stroke research. It will help the readers in keeping pace with the rapid changes in this area. This book will provide interesting topics for research which readers can take up. It will serve as a valuable source of reference for neurobiologists, medical practitioners, researchers and students.

Neuroscience & Neurology

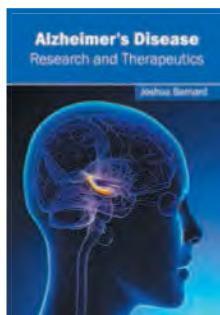
Stroke: Diagnosis and Management



Robin Deaver

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Psychiatry



Joshua Barnard

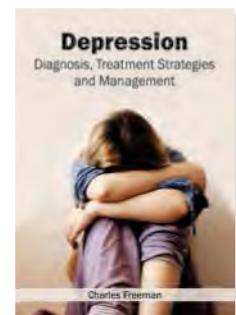
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Alzheimer's Disease: Research and Therapeutics

Alzheimer is a neurodegenerative disease that worsens over time. It is a form of dementia that starts slowly but ultimately leads to behavioral issues, disorientation, mood swings, problems with language and loss of motivation. Old age, genetic problems, inadequate synthesis of neurotransmitter acetylcholine, extracellular amyloid beta deposits are considered as common causes of this disease. Diagnostic techniques that are used frequently include mini-mental state examination, blood tests, magnetic resonance imaging and positron emission tomography. The causes, diagnosis, prevention, treatment and management technique related to alzheimer's disease have been thoroughly discussed in this book. The topics covered herein will offer new insights in this area of study. This book aims to shed light on some of the unexplored aspects related to this disease and the recent researches in this field. It attempts to assist those with a goal of delving into the research of alzheimer's disease.

Psychiatry

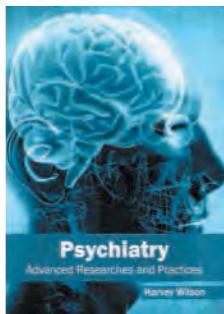
Depression: Diagnosis, Treatment Strategies and Management



Charles Freeman

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Hardback

Psychiatry



Harvey Wilson

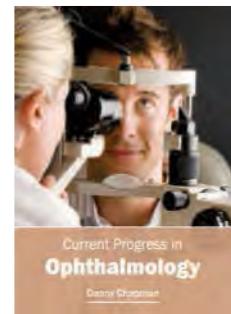
ISBN: 978-1-63241-387-1
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Psychiatry: Advanced Researches and Practices

This book traces the progress of psychiatry as a discipline and highlights some of its key concepts and applications. It presents researches and studies performed by experts across the globe. Mental health issues are generally affective or behavioral. Psychiatry aims to study, diagnose and treat usual as well as rare mental disorders. It is a field of medicine which encompasses subfields such as geriatric psychiatry, child adolescent psychiatry, forensic psychiatry, addiction psychiatry, clinical neurophysiology, etc. This book will provide interesting topics for research which readers can take up. It includes some of the vital pieces of work being conducted across the world, on various aspects related to psychiatry. This book is appropriate for students seeking detailed information in this area as well as for experts. The extensive content of this book provides readers with a thorough understanding of this subject.

Ophthalmology

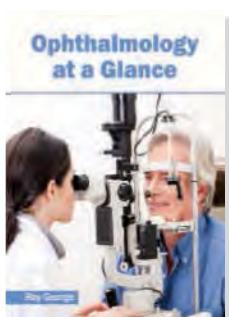
Current Progress in Ophthalmology



Danny Chapman

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Ophthalmology



Ray George

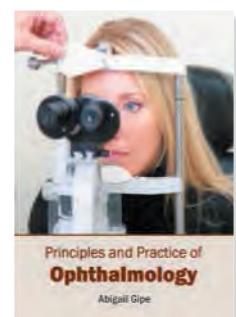
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Ophthalmology at a Glance

Ophthalmology is the branch of medical science that studies the structure of the eye and deals with the diagnosis and treatment of diseases and disorders related to it. This field has advanced over the years to include different categories of surgeries for diseases such as cataract, glaucoma, refractive surgery, vitreoretinal surgery, etc. This book unravels the recent studies in the area of ophthalmology. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject. It will help the readers in keeping pace with the rapid changes in this discipline. Those in search of information to further their knowledge in the field of ophthalmology will be greatly assisted by this book.

Ophthalmology

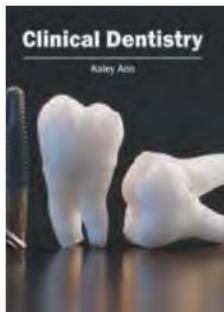
Principles and Practice of Ophthalmology



Abigail Gipe

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Dentistry



Kaley Ann

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Clinical Dentistry

Many people suffer dental problems these days, this is where clinical dentistry comes into play. It deals with the prevention, diagnosis and treatment of oral problems. It has progressed with the help of specialized alloys and biomaterials. There are different specialties available in this field such as endodontics, forensic odontology, geriatric dentistry, oral medicine periodontology, etc. This book elucidates new techniques and their applications in the area of clinical dentistry. The topics included in this book are of utmost importance and bound to provide incredible insights to readers. It will serve as a valuable source of reference for graduates, postgraduates as well as professionals.

Dentistry



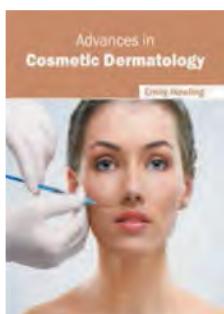
Regina Stuart

ISBN: 978-1-63241-396-3
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Clinical Orthodontics

Orthodontics refers to that area of dentistry which deals with the malocclusion i.e. the improper positioning of teeth and jaws. It uses tools like braces, plates, headgears, etc. to treat the problematic teeth. The treatments covered in this area are reduction of teeth gaps, aligning the teeth, improving oral functioning, etc. This book explores all the important aspects related to orthodontics and its clinical applications. Most of the topics introduced here cover new techniques and advances in this area. This book will provide comprehensive knowledge to anyone interested in this subject. It will also help readers in keeping pace with the rapid changes in this field. Therefore, this book will prove to be a beneficial source of knowledge for the students as well as professionals engaged in the area of orthodontics.

Dermatology



Emily Howling

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Advances in Cosmetic Dermatology

Dermatology is the branch of medicine that is mainly concerned with diagnosing and treating diseases related to skin, hair and nails. Cosmetic dermatology is the sub-branch of dermatology that completely focuses on beautifying a person by using medicines and surgical processes such as blepharoplasty, facelifts and liposuction. This book contains exclusive researches on a variety of topics such as plastic surgery, rejuvenation, laser treatment, cosmetic chemistry, skin physiology, acne treatment, hair conservation and restoration, aesthetic treatments, etc. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. This book is an essential guide for dermatologists, cosmetologists, academicians and those who wish to pursue this discipline further.

Dermatology



Deb Willis

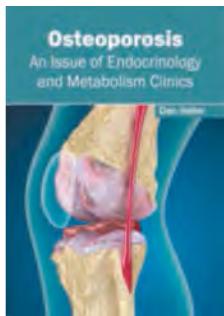
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Book Size: 8.5"x11"
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Hardback

Cosmetology and Dermatology

Cosmetology and dermatology are often considered similar branches of medical science though both have different approaches and uses. Both these branches do overlap at the point of cosmetic surgery. Cosmetology refers to the practice of beautifying a person's appearance. It incorporates providing care and beauty treatments for nails, hair and skin. On the other hand, dermatology deals with treating diseases related to skin, hair or nails. This book will cover both of these topics and explain in detail their integrated applications. It is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice of these fields. Those in search of information to further their knowledge will be greatly assisted by this book. It is a ripe text for cosmetologists, dermatologists, professional researchers and students associated with cosmetology and dermatology at various levels.

Medical Science

Orthopedics



Dan Heller

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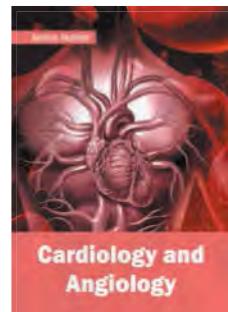
Osteoporosis: An Issue of Endocrinology and Metabolism Clinics

Osteoporosis affects the bone density and leads to soft and fragile bones. Even a small pressure may lead to broken bones accompanied by persistent pain and hindered body movement. There may be several causes that may lead to reduced bone strength such as anorexia, hyperthyroidism, alcohol, chemotherapy, menopause, etc. This disease on its own has no symptoms but it increases the risk of bone fracture even in case of a low-intensity fall. Diagnostic measures include biomarkers, conventional radiography and dual energy x-ray absorptiometry. In this book, using case studies and examples, constant effort has been made to facilitate the in-depth understanding of the complex concepts of this area of study. The topics included in this book on osteoporosis are of utmost significance and bound to provide incredible insights to readers. The book is appropriate for students, orthopedic doctors and experts seeking detailed information in this area.

Cardiology

Cardiology and Angiology

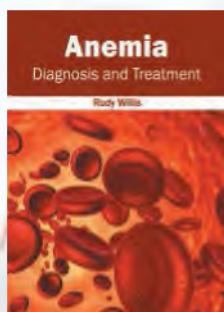
This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the fields of cardiology and angiography. Cardiology is the branch of medical science that deals with heart related diseases while angiography studies the diseases of lymphatic system and blood vessels. These are interrelated fields as angiography tries to prevent diseases related to cardiovascular systems such as heart attack and strokes. Diagnostic procedures include auscultation, echocardiography, cardiac stress test, sphygmomanometer, cardiovascular magnetic resonance imaging, cardiac marker, optical coherence tomography, etc. Cardiology and angiography are upcoming branches of medical science that have undergone rapid development over the past few decades. This book covers in detail some existent theories and innovative concepts revolving around these disciplines. It will provide comprehensive knowledge to all the readers including researchers, doctors and students.



Janice Hunter

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Hematology



Rudy Willis

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Anemia: Diagnosis and Treatment

Anemia is a condition that arises due to the lack of hemoglobin or red blood cells. Hemoglobin is the factor that binds oxygen to blood and supplies it to all the parts of the body. It may be caused due to decreased production of red blood cells, sudden blood loss, and genetic conditions like sickle cell anemia, etc. Slow anemia results in fatigue, problems in breathing, while a quick anemia may result in unconsciousness and increased thirst. The diagnosis and treatment of this disease involves complete blood count, blood smear test, flow cytometry and providing iron supplements. This book explores all the important aspects related to anemia in the present day scenario. It will provide comprehensive knowledge to the readers. This text includes some of the vital pieces of work being conducted across the world, on various aspects related to anemia. It strives to provide a fair idea about this discipline and to help develop a better understanding of this field. It will serve as an essential guide for hematologists, researchers and students alike.

Hematology

Blood Transfusion Handbook

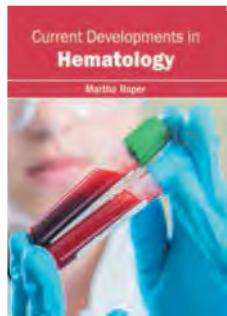
Blood is the carrier of oxygen, which is essential for all life forms and for practically carrying out all the biological processes. Blood transfusion is the transfer of blood from one person to another in case of a medical emergency like accident, injury or a disease causing reduction in optimum levels of blood. It is a lifesaving technique. Blood transfusion techniques have seen some advancement over the years. Now only those components are required for transfusions that are present in lower concentration than required. While understanding the long term perspectives of the topics, this book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. It aims to assist those with a goal of delving deeper into the field of blood transfusion. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.



Martha Roper

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Hematology



Martha Roper

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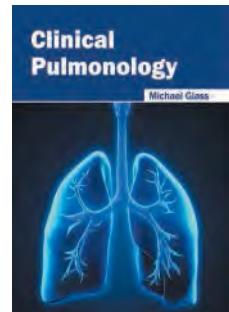
Current Developments in Hematology

Hematology is the study of blood, its production and the diseases related to it. There are different kinds of conditions and issues related to blood such as myeloma, hemophilia, anemia, bleeding disorders and problems related with blood cancer. The scope of hematology ranges from blood, red blood cells, white blood cells, platelets, reticuloendothelial system, lymphatic system, blood transfusion, hematosis to globulins. The aim of this book is to present researches that have transformed this discipline and aided its advancement. Different approaches, techniques and advanced studies in this field have been included in this text. For all readers who are interested in hematology, the case studies included in this book will serve as an excellent guide to develop a comprehensive understanding.

Pulmonology and Respiratory Diseases

Clinical Pulmonology

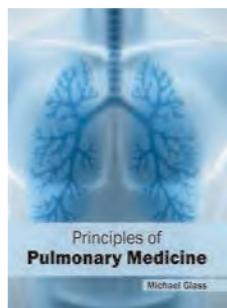
Pulmonology is the field of medical science that deals with diseases related to lungs. The professionals or doctors working in this field are generally trained in dealing with diseases related to chest such as tuberculosis, asthma, emphysema, pneumonia and other complications. This also involves ventilator support in case of critical breathing problems. In this book, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of pulmonology practiced by clinicians as easy and informative as possible, for the readers. This book consists of contributions made by international experts which unravel the recent progress of this field. It is an essential guide for pulmonologists, academicians and those who wish to pursue this discipline further.



Michael Glass

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Pulmonology and Respiratory Diseases



Michael Glass

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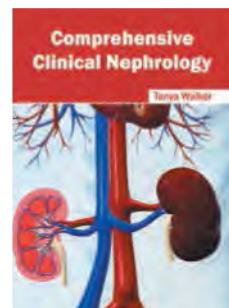
Principles of Pulmonary Medicine

This book discusses the fundamentals as well as modern approaches of pulmonary medicine. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. It is a specialized branch of medicine that deals with the diagnosis and treatment of diseases related to respiratory system and respiratory tract. Pulmonology also addresses the chronic breathing problems with the help of ventilator support. In this book, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts as easy and informative as possible, for the readers. Pulmonologists, researchers and students will benefit alike from this book.

Nephrology

Comprehensive Clinical Nephrology

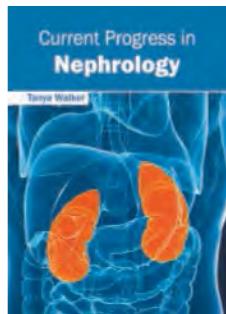
This book provides comprehensive insights into the field of clinical nephrology. The objective of this book is to give a general view of the different areas of nephrology and its applications. This discipline is mainly concerned with the diagnosis and treatment of diseases related to kidney. Nephrology includes providing cure for diseases such as kidney stones, chronic kidney disease, kidney failure, hypertension and disorders of electrolytes. This book provides significant information related to this field. It will help readers unravel the innovative aspects of nephrology by presenting path-breaking researches performed by experts across the globe. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the field.



Tanya Walker

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Nephrology



Tanya Walker

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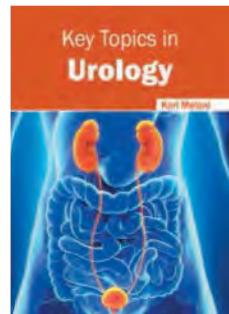
Current Progress in Nephrology

Nephrology is the branch of medicine that is concerned with the diagnosis and treatment of diseases related to kidney. It also encompasses different health conditions that directly or indirectly affect the kidney. The end stage of a kidney disease results in kidney failure and the only alternative left is kidney replacement. This book includes studies on topics of utmost importance such as dialysis, chronic kidney disease, renal transplant, vasculitis, etc. It unravels the recent studies in the field of nephrology. It also includes researches and studies performed by experts across the globe. The objective of this text is to provide a comprehensive overview of nephrology and glance at the various advancements in this discipline. Researchers, nephrologists and students in this field will be assisted by this book.

Urology

Key Topics in Urology

Urology is a branch of medical science which deals with the diagnosis and treatment of disorders related to the urinary tract in both females and males; this includes the ureters, bladder, urethra, etc. There are various sub-specialties of urology for example, male infertility, pediatric urology, neurouropathy, etc. This book will elucidate the concepts and innovative models around prospective developments with respect to this field. It will provide a detailed explanation of all the important concepts and practices related to this area. Those with an interest and an eye for detail will find this book helpful. It will serve as a beneficial guide of reference for students, urologists and researchers.



Karl Meloni

ISBN: 978-1-63241-424-3

\$150.00 US

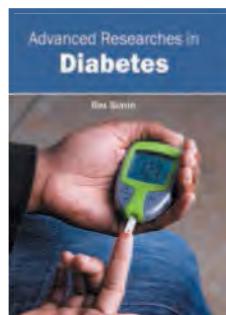
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Diabetes



Rex Slavin

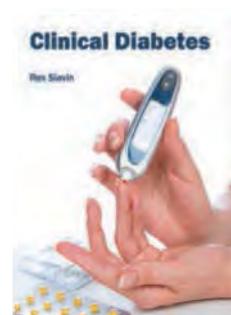
Advanced Researches in Diabetes

Diabetes is a common disease as it has affected a large number of people around the globe. It is a pancreatic disease in which the secretion of insulin gets lowered due to improper functioning of the organ. Type1 and type2 diabetes are more prevalent forms of diabetes although there is a third form present called gestational diabetes, primarily affecting pregnant women. There are many medicines present to regulate the blood sugar levels but the cure is yet to be found. The ever growing need for advanced medicines and treatments that could provide a complete cure for this disease is the reason that has fueled the research in this field. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this area have been included in this book. It is a vital tool for all researching and studying this field.

Diabetes

Clinical Diabetes

This book unravels the recent studies in the area of clinical diabetes. It provides interesting topics for research which readers can take up. Diabetes is a chronic disease which is caused either due to improper functioning of pancreas or if body cannot utilize the produced insulin effectively. It is one of the most prevalent diseases at present. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the area of diabetes. It includes contributions of experts and scientists which will provide innovative insights into this field. Researchers and students studying this discipline will be assisted by this book.



Rex Slavin

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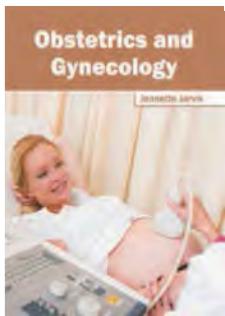
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Gynaecology & Obstetrics



Jeanette Jarvis

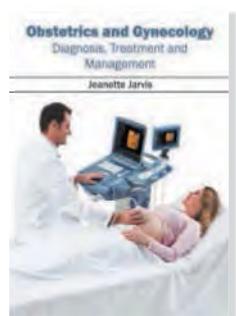
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Hardback

Obstetrics and Gynecology

Gynecology is a field of medical science which deals with examining and treating the female reproductive organs like vagina, ovaries, uterus, etc. Obstetrics as a specialty deals with pregnancy, childbirth and post-partum period. Both of these areas are generally combined as a singular field of study. This book elucidates new techniques and their applications in a multidisciplinary approach. It presents case studies from across the globe and thus, serves as a valuable source of knowledge. It will help readers to keep pace with the rapid changes being made in this field. Students, researchers, experts and all associated with obstetrics and gynecology will benefit alike from this book.

Gynaecology & Obstetrics

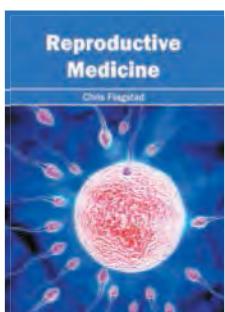
Obstetrics and Gynecology: Diagnosis, Treatment and Management



Jeanette Jarvis

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Sexual Reproduction



Chris Flagstad

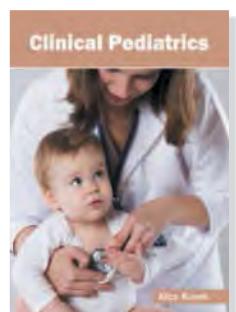
ISBN: 978-1-63241-406-9
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197pp./Colored
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Reproductive Medicine

In this highly competitive world people tend to delay their marriage and family planning decisions and therefore the demand for the advanced medicines and techniques in the field of reproductive medicine is constantly rising. This discipline helps to preserve and improve reproductive health of human beings and provides an option of having children at a particular time preferred by them. Its foundation lies in a combination of disciplines like molecular biology, biochemistry, anatomy, physiology, endocrinology and pathology. It mainly covers the issues related to family planning, birth control, puberty, sexual education, sexual dysfunction and infertility. This book is a vital tool for all researching or studying reproductive medicine as it gives incredible insights into emerging trends and concepts. The various advancements in this area are glanced at and their applications as well as ramifications are looked at in detail. Students, researchers, experts, medical experts and practitioners associated with reproductive medicine will benefit alike from this book.

Pediatrics

Clinical Pediatrics

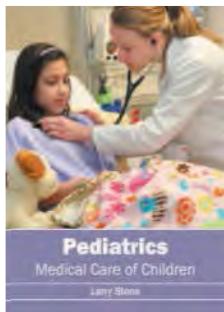


Alice Kunek

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Medical Science

Pediatrics



Larry Stone

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Pediatrics: Medical Care of Children

Pediatrics is the branch of medicine that deals with prevention, diagnosis and treatment of diseases related to infants and children. According to medical science the anatomy and structure of children is considerably different from that of adults and they cannot be treated with same strong dosages of drugs. Neonates require specialized attention and milder medicines during their early stages of life. This book aims to provide a fair idea about this discipline and help develop a better understanding of the latest advances within this field. Most of the topics introduced herein cover new diagnostic techniques and treatment strategies in pediatrics. This book presents researches and studies performed by experts across the globe. It is meant for students, doctors and for those who are looking for an elaborate reference text on medical care of children.

Pediatrics

Pediatrics: Pathophysiology, Diagnosis and Treatment

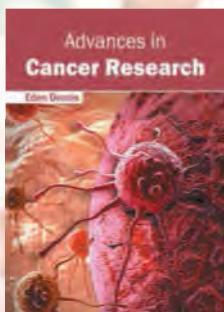
This book discusses the fundamental as well as modern approaches of pediatrics. Pediatrics is the branch of medicine that aims at providing healthcare for infants, children and adolescents. Subspecialties of pediatrics include pediatric infectious disease, pediatric critical care, neonatology, pediatric neurology, etc. This book aims to equip students and experts with the advanced topics and upcoming concepts in this area. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. Those in search of information to further their knowledge in the area of pediatrics will be greatly assisted by this text.



Gabriel Tyler

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Oncology



Eden Dennis

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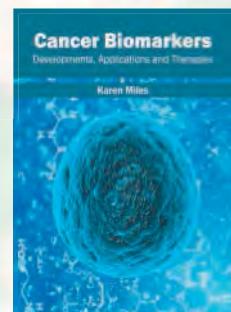
Advances in Cancer Research

Cancer is the nomenclature used for a set of diseases that occur due to excessive cell growth in any body part and may infest other parts of the body. It is generally characterized by formation of malignant tumors. These are caused due to various factors such as chemical pollutants, radiations, obesity, genetic inheritance, infections, etc. Classification of cancer can be done on the basis of origin of the tumor. This book aims to shed light on some of the unexplored aspects related to cancer and the recent researches in this field. The extensive content of this book provides the readers with a thorough understanding of the subject. It is a collective contribution of a renowned group of international experts. It will serve as a resource guide for oncologists, researchers, professionals and students.

Oncology

Cancer Biomarkers: Developments, Applications and Therapies

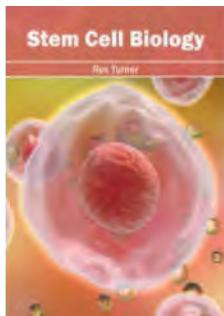
This book brings forth the emerging trends in the areas of diagnosis and treatment of Cancer. The ever growing need for advanced technology is the reason that has fuelled the research in the field of cancer biomarkers and targeted therapies in recent times. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in this field. Researchers and doctors around the world are studying cancer and devising new and effective therapies to cure it. Such studies and researches have been included in this text. It is a complete source of knowledge on the present status of this field. The extensive content of this book provides the readers with a thorough understanding of the subject.



Karen Miles

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Stem Cell Research



Rex Turner

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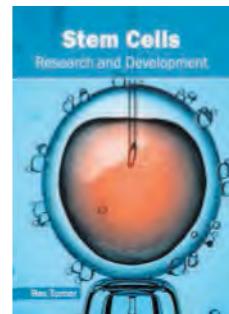
Stem Cell Biology

This book provides comprehensive insights into the field of stem cell biology. Stem cells refer to the undifferentiated biological cells that can divide themselves through mitosis to form more stem cells. These cells are generally seen in multicellular organisms and are of two types, namely, embryonic stem cells and adult stem cells. They are found in embryos, fetuses and some adult tissues. This book unravels the recent studies in the field of stem cells. It will also provide interesting topics for research which readers can take up. From theories to research to practical applications, case studies from across the globe related to stem cell biology, have been included in this book. Students, scientists, biologists, doctors and other interested readers will benefit alike from this text.

Stem Cell Research

Stem Cells: Research and Development

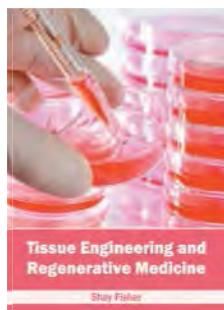
Stem cells are found in multicellular organisms. They have two broad categories - embryonic stem cells and adult stem cells. They are generally found in undifferentiated form and can be transformed into specialized cells. In adults, they act as a repair system of the body. These cells are frequently used in medical therapies such as bone marrow transplant, etc. The viability of stem cell therapy is being investigated to treat diseases such as cancer, diabetes, rheumatoid arthritis, osteoarthritis, vision impairment, parkinson's disease, impaired hearing, etc. This book covers in detail some existent theories and innovative concepts revolving around developments in the field of stem cell research. It is an upcoming field of medical science that has undergone rapid development over the past few decades. This text aims to bring forth studies related to all the significant aspects of stem cells along with technological progress that will have future implications. For all those who are interested in this area of study, this book can prove to be an essential guide.



Rex Turner

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Tissue Engineering and Regenerative Medicine



Shay Fisher

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Tissue Engineering and Regenerative Medicine

Tissue engineering is a branch of medicine that is majorly dependent on biomaterials. It combines material methods, cells, and biologically active molecules to form functionally active tissues. Regenerative medicine is a branch of tissue engineering which is based on the concept of self-healing with the help of some biological materials to rebuild and recreate tissues and organs. This book provides significant information of this discipline to help develop a good understanding of the core concepts and related aspects of these subjects. As these fields are emerging at a rapid pace, the contents of this book will help the readers get a better understanding of the modern concepts and applications of these subjects.

Diagnostic Imaging

Advances in Biomedical Imaging

Biomedical imaging is an essential part of the medical world. It refers to the method and practice of scanning and visually presenting the interior of human body for examination and medical purposes. Biomedical imaging has enabled doctors and researchers to diagnose many diseases which were previously unknown. It uses technologies like Ultrasound, X-ray, radiology, etc; to examine the deformities in the internal organs of human body. This book provides comprehensive insights into the field of biomedical imaging. Those interested in this field will find this book useful. It will serve as a valuable source of reference for graduates and post-graduates as this book contains extensive case studies, theories and practical applications.

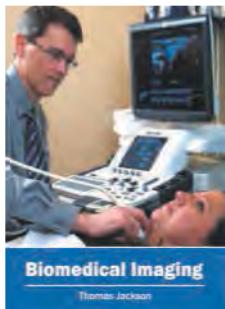


Ned Wolf

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Medical Science

Diagnostic Imaging



Thomas Jackson

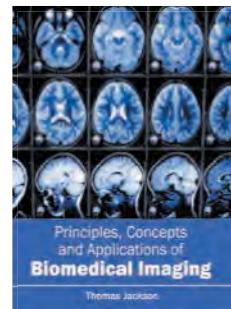
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Biomedical Imaging

Biomedical Imaging is a fast growing field of medicine. Technological changes and constant demand for improved diagnosis led to the growth and advancement of this discipline. This area has acquired a completely different outlook over the years. It involves collection, analysis, and deduction of results with the use of techniques such as Magnetic resonance imaging (MRI), computed tomography (CT) scan, ultrasound, neutron imaging, digital radiography and tomosynthesis, Positron emission tomography (PET), etc. This book traces the progress of the field of biomedical imaging and serves as a complete source of knowledge on the present status of this important area. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of biomedical imaging. It is an essential guide for both academicians and those who wish to pursue this discipline further.

Diagnostic Imaging

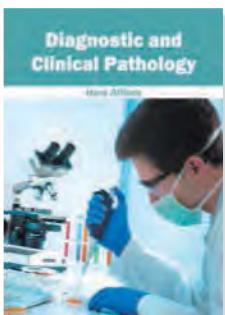
Principles, Concepts and Applications of Biomedical Imaging



Thomas Jackson

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Pathology



Hans Affleck

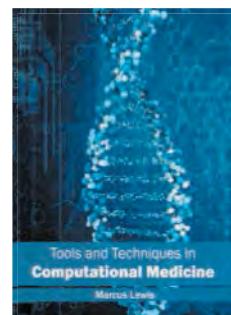
ISBN: 978-1-63241-425-0
\$154.95 US
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Book Size: 8.5"x11"
283pp./Colored
Hardback

Diagnostic and Clinical Pathology

Diagnostic and clinical pathology refers to that branch of medical science which deals with diagnosing and treating diseases by using laboratory tests of urine, blood and other body fluids. It uses the elements of chemistry, hematology, microbiology, etc. to identify the disorders. Clinical pathologists use different techniques of examination like microscopical examination, analyzers, macroscopic examination, cultures, etc. This book outlines the processes and applications of this topic in detail. It elucidates new techniques in a multidisciplinary approach. Some of the diverse topics covered in this book address the varied branches that fall under pathology. It is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice related to the field of pathology. Students, researchers, pathologists, experts and all associated with this subject will benefit alike from this book.

Engineering Technology in Medicine

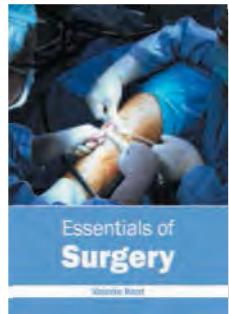
Tools and Techniques in Computational Medicine



Marcus Lewis

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Surgery

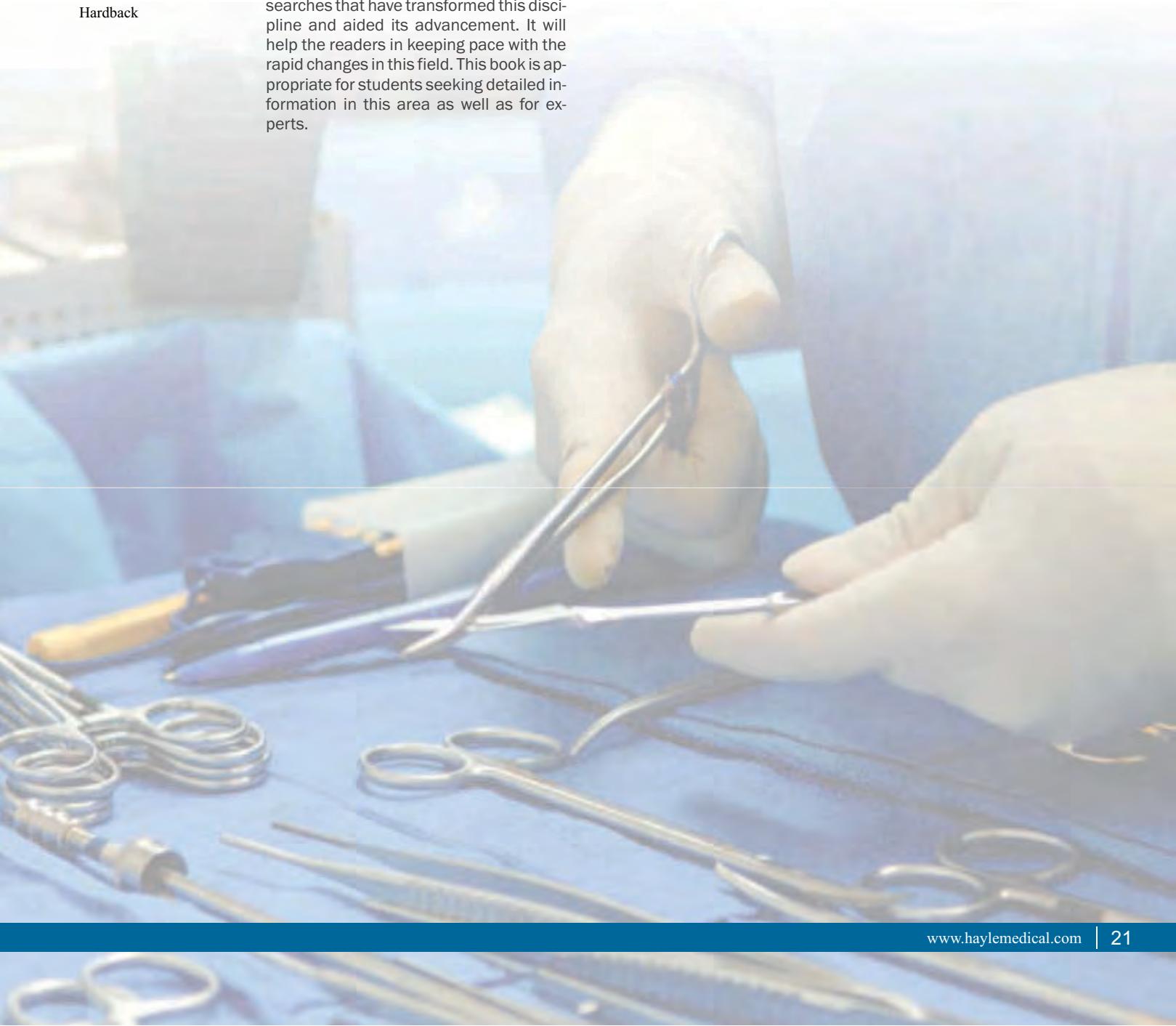


Valerie Kent

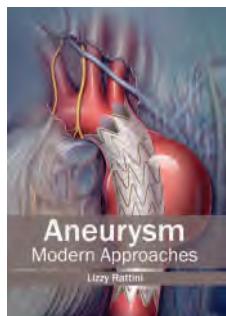
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Essentials of Surgery

Surgery is inevitable in extreme cases like that of severe accident, organ failure or gangrene and even in the complicated cases of child birth. In some cases it helps in relieving pain and in other cases it optimizes body function. Different kinds of surgeries are available depending upon the body parts such as breast surgery, colon and rectal surgery, endocrine surgery, general surgery, gynecological surgery, hand surgery, head and neck surgery, neurosurgery, orthopedic surgery, etc. Use of precision instruments in surgeries has made it further advanced and accurate. The various sub-fields of surgery along with technological progress that have future implications are glanced at in this book. The aim of this text is to present researches that have transformed this discipline and aided its advancement. It will help the readers in keeping pace with the rapid changes in this field. This book is appropriate for students seeking detailed information in this area as well as for experts.



Diseases & Disorders



Lizzy Rattini

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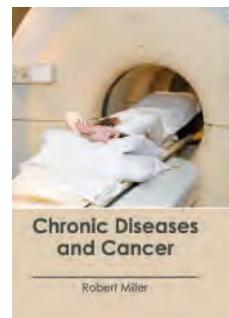
Aneurysm: Modern Approaches

Aneurysm may occur in any blood vessel in the body including the heart. This book focuses on the analysis and handling of intracranial aneurysms. It also discusses some special cases related to this disorder. It will be helpful for neurosurgical experts and also for readers interested in learning more about this field. The book attempts to compile recent information and achievements in this field of science. The objective of this book is to help experts in carrying their researches forward and produce some fruitful outcomes. It thoroughly describes all the aspects of cerebral aneurysm.

Diseases & Disorders

Chronic Diseases and Cancer

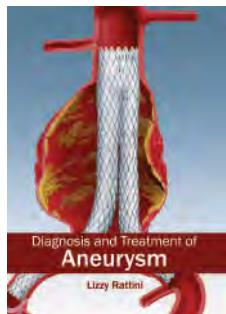
This book consists of brilliant reviews and perspectives contributed by experts in the multidisciplinary field of basic science, clinical studies, and treatment options for a broad extent of acute and chronic inflammatory diseases or cancer. The aim of this book is to show that persistent or chronic (unresolved or subclinical) inflammation is an ordinary denominator in the genesis, progression and manifestation of various diseases and/or cancers, especially during the aging process. Considering the elementary basis of shared and interrelated immunological characteristics of unresolved inflammation in initiations and progression of chronic illnesses or cancer are expected to hold real promises, when the designs of cost-effective approaches are contemplated for diagnosis, prevention or treatment of various age-associated diseases such as autoimmune and neurodegenerative diseases as well as many cancers.



Robert Miller

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Diseases & Disorders



Lizzy Rattini

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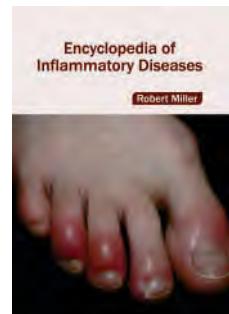
Diagnosis and Treatment of Aneurysm

This book aims to serve as an up-to-date resource guide for understanding aneurysm. As it discusses basic researches related to aneurysm. It focuses on the analysis and handling of abdominal and thoracic aortic aneurysms. It will be helpful for vascular and cardiothoracic experts, and also for readers involved in vascular medication. The book attempts to compile recent information and achievements in this field of science. The objective of this book is to help experts in carrying their researches forward and produce some fruitful outcomes. It thoroughly describes all the aspects of abdominal and splenial aneurysm.

Diseases & Disorders

Encyclopedia of Inflammatory Diseases

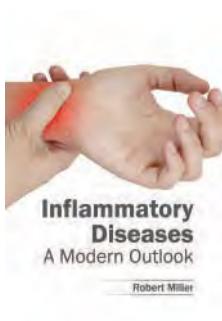
The aim of this book is to educate the readers regarding inflammatory diseases with the help of comprehensive information. It consists of extensive analysis contributed by pioneers in different areas of acute and chronic inflammatory disorders, with focus on recent pharmacological and diagnostic options. This book talks about immunobiology, scientific reports, and contexts of the mechanisms of immune inflammatory reactions involved in alterations of immune dynamics during the genesis, progression and manifestation of various inflammatory diseases and cancers. It also presents an outlook on the identification and regime of prevention and treatment of these lethal but preventable diseases, especially for the growing population of elderly people throughout the world.



Robert Miller

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Diseases & Disorders



Robert Miller

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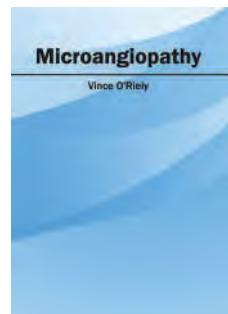
Inflammatory Diseases: A Modern Outlook

A modern outlook towards inflammatory diseases has been presented in this book. It presents an elaborate and thoroughly analyzed account on inflammation. It brings a vast spectrum of topics related to inflammation and inflammatory disorders and its main purpose is to help readers in comprehending molecular mechanism and solid analysis of inflammation. The book covers many different topics like pharmacology, medicine, rational drug style, microbiology and biochemistry. Every topic of this book stresses on inflammation and related disorders. Therefore, it provides a platform for integrating all the important data about inflammation.

Diseases & Disorders

Microangiopathy

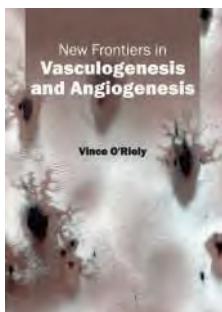
This is a comprehensive book which aims to present state-of-the-art information regarding microangiopathy. Microangiopathies are pathological processes which cause degenerative diseases of small vessels. The circulatory constraints caused by microangiopathies may be accountable for the collapse of single or multiple organs. These pathological processes are one of the most common disorders characterized by high morbidity and mortality in the affected patients. Various research outcomes have reflected intricate processes both at cellular and molecular level. However, the diversity among varied pathogenetic mechanisms leading to microangiopathic disorders is yet to be explained to equip practitioners with effective prevention and treatment strategies. This book provides descriptive examples of relevant mechanisms responsible for different forms of microangiopathies and how this body of evidences can be evaluated to define new strategies of therapeutic intervention.



Vince O'Riely

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Diseases & Disorders



Vince O'Riely

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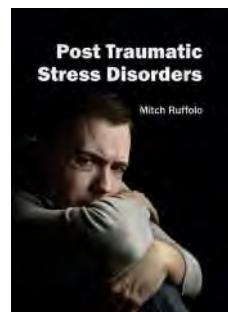
New Frontiers in Vasculogenesis and Angiogenesis

This book discusses the novel frontiers in the processes of vasculogenesis and angiogenesis. Vasculogenesis is the process of formation of new blood vessels when embryonic development of the cardiovascular system takes place. Formation of a vascular tree and finally, the cardiovascular system, with a mesh of blood vessels - that has a role in the nourishment of all tissues and organs - follows this process. Angiogenesis is the process involving evolution of new blood vessels from existing blood vessels by "sprouting" of endothelial cells, thereby expanding the vascular tree. Both of these processes are based on activation, migration, proliferation and maturation of unique precursor cells. The study of blood vessel development is of paramount significance in the biomedical field due to its crucial role in congenital malformations, embryonic growth, inflammation, degenerative illnesses and cancer. Furthermore, scientists are now considering formation of living blood vessel substitutes for replacement of diseased arteries and veins by implementing this knowledge.

Diseases & Disorders

Post Traumatic Stress Disorders

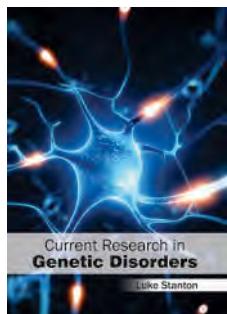
This book presents a detailed account on challenges posed by post traumatic stress disorders and strategies to deal with them. The major challenges faced by a healthcare or social service provider when asked to help someone who has experienced terror because of a hostage taker, a furious and abusive parent or spouse, or has gone through an earthquake, accident, hurricane, landslide or any other natural calamity would be of dealing with their behavioral pattern and approach required for their management, such as the primary response of the person and the most urgent need of the individual requiring care. All those people have experienced these terrors suffer significant psychological injury. This book provides with some answers to meet the needs of healthcare and social service providers in all situations, be it at a warfront, natural disaster site, or in a hospital emergency room. The important message offered herein is that after providing emergency care, there is always an urgent need to provide mental healthcare to all victims of traumatic stress.



Mitch Ruffolo

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Genetic Disorders



Luke Stanton

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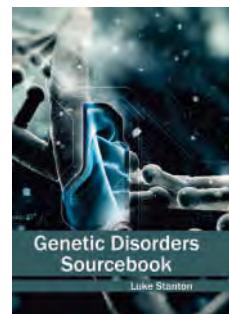
Current Research in Genetic Disorders

Genetic disorders are rare. The research on genetic diseases has been speedily advancing in recent years so as to be able to comprehend the causes behind genetic disorders. This book provides readers with a backdrop and several techniques for comprehending genetic disorders. Furthermore, it discusses various aspects related to multifactorial or polygenic disorders. It is quite complicated to heal a genetic disorder in contemporary times. Fortunately, our information on genetic disorders is increasing rapidly, primarily due to the double stranded arrangement identified by Watson and Crick in the 1950s. Hence, it is possible nowadays to comprehend the reason behind the disorder. This book deals with the various features of this complicated disorder.

Genetic Disorders

Genetic Disorders Sourcebook

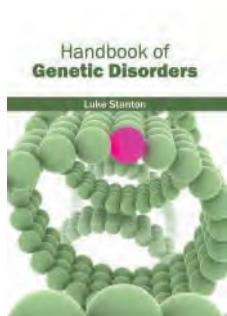
Genes are the building blocks of heredity. Human genetics is a rapidly evolving field in medical science. This book presents an overview on recent developments in some of the genetic diseases. It discusses various genetic disorders, dealing with epidemiology, etiology, molecular basis and new treatment measures for these diseases. Experts from different countries in Europe, Asia, and America have contributed in the compilation of this book. The content serves readers with different and valuable content, offering a welcome personalized overview on various subjects. This book does not provide a strictly systematic view of human genetic disorders. However, it is a valuable reference for medical practitioners, researchers, biologists and students in various fields of medical science.



Luke Stanton

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Genetic Disorders



Luke Stanton

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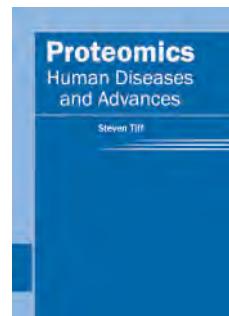
Handbook of Genetic Disorders

As opposed to common belief, genetic disorders are not necessarily hereditary. The research on genetic diseases has been speedily advancing in recent years so as to be able to comprehend the causes behind genetic disorders. Diagnosis and management of the various unifactorial or unigenetic disorders are analyzed in this book. It is quite complicated to heal a genetic disorder in contemporary times. Fortunately, our information on genetic disorders is increasing rapidly, primarily due to the double stranded arrangement identified by Watson and Crick in the 1950s. Hence, it is possible nowadays to comprehend the reason behind the disorder. This book deals with the various aspects of complicated genetic disorders.

Genomics

Proteomics: Human Diseases and Advances

Proteomics is a diverse field dealing in study of various proteins and their structure and functions. Biomedical research has reached the stage where a novel era of identifying a disease or a protein globally has emerged. During the post-genomic era, proteomics played an extremely significant role in analyzing molecular functions of proteins and determining biomarkers in diseases affecting human beings. Mass spectrometry, high-density antibody and protein collection, and 2D gel electrophoresis are few of the generally employed techniques in proteomics field. This book elucidates four significant and varied areas of present proteomic research: proteomic analysis of protein functions, organelles and secretome proteomics, proteomic discovery of disease biomarkers, and proteomic techniques for analyzing disease procedures. The use of these techniques in analyzing proteins in different diseases has now become a significant part of biomedical research across the globe. This book will serve as a useful source of reference for students, researchers as well as clinicians.



Steven Tiff

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Medical Genetics



Nas Wilson

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Encyclopedia of DNA Repair and Human Health: Volume I

In recent years, a major effort has been made to comprehend DNA repair pathways at the cellular level. Simultaneously, definitive information regarding human diseases has emerged. A combination of the fundamental research of the processes of DNA repair with clinical practices has led to the placement of the action of DNA repair pathways firmly in the context of the complete organism. Combinative approaches like these lead to a better comprehension of the disease mechanisms and are highly significant for the improvement of diagnostics and prevention, and for envisaging better therapies. This book brings to the foreground the key role DNA repair plays in human health and well-being. The chapters present within this book consist of a comprehensive characterization of DNA repair pathways, and also include an inquiry into the major corpus of evidence relating DNA damage repair with human health. This book will be of significance to a wide range of readers interested in the relationship between DNA repair and human health.

Medical Genetics

Encyclopedia of DNA Repair and Human Health: Volume II

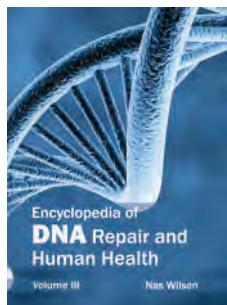
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Medical Genetics



Nas Wilson

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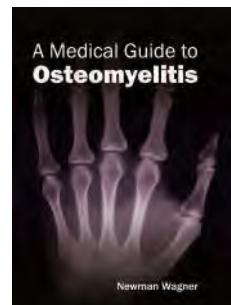
Encyclopedia of DNA Repair and Human Health: Volume III

In recent years, a major effort has been made to comprehend DNA repair pathways at the cellular level. Simultaneously, definitive information regarding human diseases has emerged. A combination of the fundamental research of the processes of DNA repair with clinical practices has led to the placement of the action of DNA repair pathways firmly in the context of the complete organism. Combinative approaches like these lead to a better comprehension of the disease mechanisms and are highly significant for the improvement of diagnostics and prevention, and for envisaging better therapies. This book brings to the foreground the key role DNA repair plays in human health and well-being. The chapters present within this book consist of a comprehensive characterization of DNA repair pathways, and also include an inquiry into the major corpus of evidence relating DNA damage repair with human health. This book will be of significance to a wide range of readers interested in the relationship between DNA repair and human health.

Infectious Diseases

A Medical Guide to Osteomyelitis

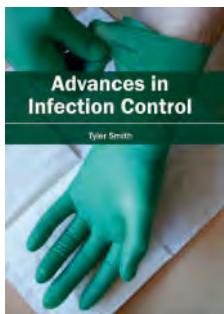
Infection of the bone/bone marrow is medically termed as osteomyelitis. This book consists of descriptive information regarding osteomyelitis. It has been compiled of contributions by scientists and professionals engaged in the field of health sciences. It encompasses essential topics associated with the fundamentals of osteomyelitis and novel diagnosis and treatment tools. The book offers an opportunity to the readers to review their concepts about osteomyelitis as well as acquire information regarding advanced alternatives for treatments and diagnosis.



Newman Wagner

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Infectious Diseases



Tyler Smith

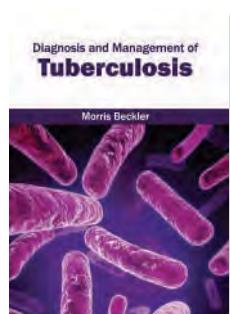
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Advances in Infection Control

This book deals with a class of advanced information regarding infection control techniques and methodologies. There is high risk of mortality and morbidity associated with Healthcare Associated Infections (HAI). Immunization against these infections is a fundamental part of health care delivery system. Knowledge about HAIs can certainly help health care organizations to take reasoned and sound decisions and as a result, stop or restrain these infections. Infection control science is rapidly developing and constantly updating and enhancing our knowledge. This book will prove to be very beneficial to doctors and practitioners working to combat these types of infections.

Infectious Diseases

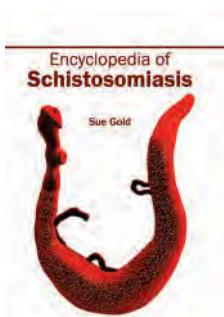
Diagnosis and Management of Tuberculosis



Morris Beckler

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Infectious Diseases



Sue Gold

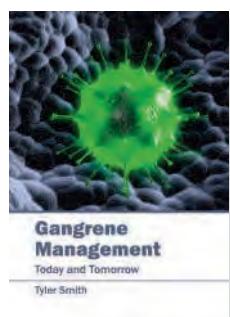
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Encyclopedia of Schistosomiasis

Schistosomiasis is another term for the disease of Bilharzia. This book is a result of the contributions made by renowned researchers dealing with schistosomiasis. It provides latest research and relevant information for the benefit of concerned people. Schistosomiasis, also known as blood fluke disease, is a parasitic disease in nature and is caused by helminthes from a genus of trematodes entitled Schistosoma. It is one of the diseases enlisted in the Global Plan to fight against Neglected Tropical Diseases and even World Health Organization (WHO) has declared it next to malaria as a devastating parasitic disease. According to WHO, the number of people residing in endemic areas are more than 700 million out of which at least 200 million are severely affected. Also, more than 200,000 people die annually because of Schistosomiasis and this terrible disease is also the causative agent in the loss of nearly 4.5 million disability-adjusted life years (DALYs).

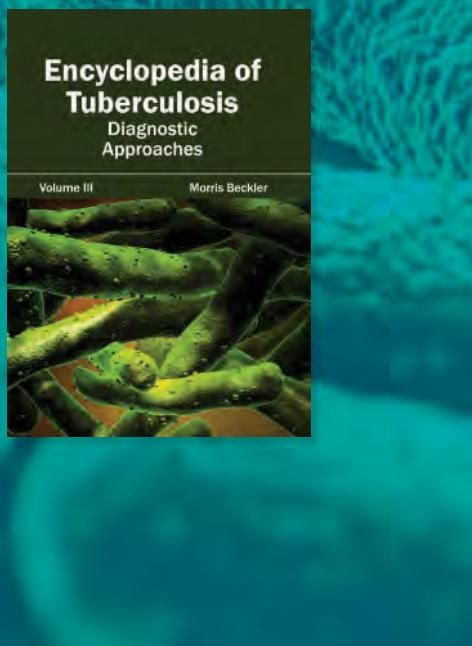
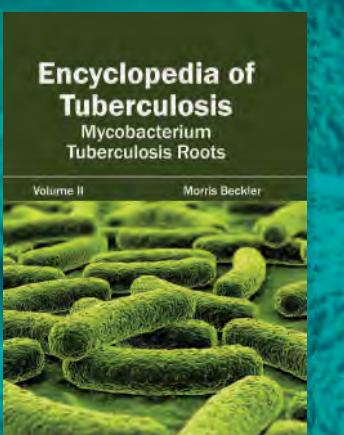
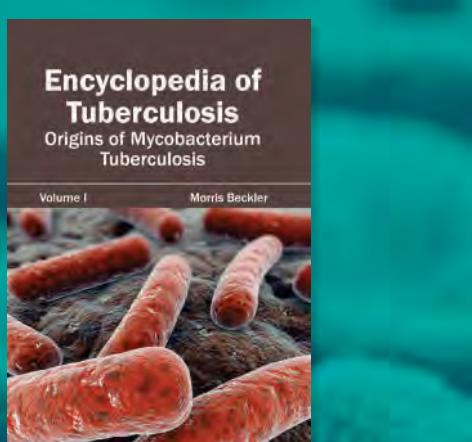
Infectious Diseases

Gangrene Management: Today and Tomorrow



Tyler Smith

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Infectious Diseases

Morris Beckler

ISBN: 978-1-63241-202-7

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Encyclopedia of Tuberculosis: Origins of Mycobacterium Tuberculosis Volume I

This book is an attempt to explain the degree to which bacilli evolve in accordance with its host and its final objective. It covers discussions by experts on the therapeutic ways to inhibit the intimal co-evolution between Mycobacterium Tuberculosis and human beings. The book will be a valuable source of reference to students and clinicians.

Infectious Diseases

Morris Beckler

ISBN: 978-1-63241-203-4

\$90.00 US

Year 2015

Book Size: 6"x9"

206pp./Colored

Hardback

Encyclopedia of Tuberculosis: Mycobacterium Tuberculosis Roots Volume II

This book is an attempt to explain the degree to which the bacilli evolve in accordance with its host and its final objective. It covers discussions by experts on the manipulation of immune response to attain novel prophylactic. The book will be a valuable source of reference to students and clinicians.

Infectious Diseases

Morris Beckler

ISBN: 978-1-63241-204-1

\$115.00 US

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Encyclopedia of Tuberculosis: Diagnostic Approaches Volume III

Mycobacterium tuberculosis is a highly infectious disease and it is suspected that close to one-third of the world's human population has already been affected by it. Nearly, one-tenth of the infected individuals stand the chance of developing the disease, which makes its eradication a serious challenge. It is an airborne disease and easily spreads through aerosols. However, the most worrisome fact is that most affected people are absolutely unaware of their condition because the responsible bacterium causes no specific symptoms. Nevertheless, the infected cannot spread the infection any further. At the stage of development, the disease becomes dangerously contagious and the symptoms make rapid advances. Hence, detection and differentiation between infection and disease has become a serious problem. This book presents the experiences of global experts on the detection and treatment of this disease.

Infectious Diseases

Morris Beckler

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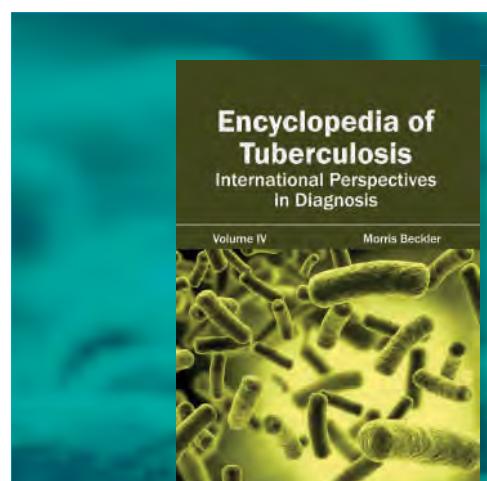
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Encyclopedia of Tuberculosis: International Perspectives in Diagnosis Volume IV

Mycobacterium tuberculosis is a highly infectious disease and it is suspected that close to one-third of the world's human population has already been affected by it. Nearly, one-tenth of the infected individuals stand the chance of developing the disease, which makes its eradication a serious challenge. At the stage of development, the disease becomes dangerously contagious and the symptoms make rapid advances. Hence, detection and differentiation between infection and disease has become a serious problem. This book presents new approaches to TB diagnosis, improving detection and control of resistances.



Infectious Diseases

Morris Beckler

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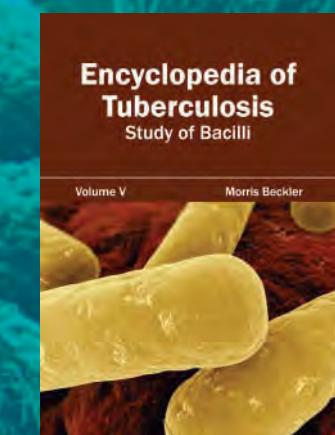
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Encyclopedia of Tuberculosis: Study of Bacilli Volume V

An in-depth study of bacilli has been encompassed in this profound book. Latest researches reflect that mycobacterium tuberculosis has a complex signaling expression, which enables its close interaction with the environment and one of its most significant properties is its capability to survive extended time periods under a non-replicative status. Although this feature is well characterized in other bacteria, the characteristically slow development rate of Mycobacterium Tuberculosis, along with a very thick and complex cell wall, make this pathogen particularly accustomed to the stress that is generated by the host against them. Reputed specialists have contributed comprehensive information regarding these specific properties of mycobacterium tuberculosis in this book.



Infectious Diseases

Morris Beckler

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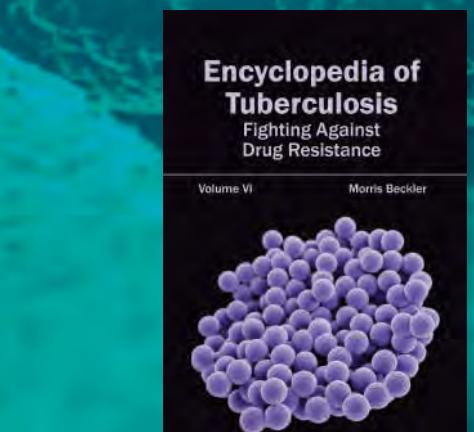
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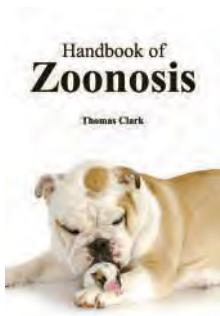
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Encyclopedia of Tuberculosis: Fighting Against Drug Resistance Volume VI

This book provides advanced information regarding the constant endeavors being made against the drug resistant characteristics of tuberculosis infection which have posed a serious challenge in treatment against this fatal disease. A strain of Streptomyces Mediterranei (ME-83) - a Streptomyces species - was first extracted from a soil sample in a ranch of pines close to Saint Raphael, France, and isolated in Lepetit Research Labs in the year 1957. This drug became the backbone for chemotherapy with Streptomycin. However, the lack of a precise administration of these drugs has led to an irruption in the drug resistance of Mycobacterium Tuberculosis. With the declaration of global emergency in 1993, pursuit for new drugs became crucial. Authors from across the globe have contributed in this book with emphasis on the enhancement and activities of novel drug families.



Infectious Diseases



Thomas Clark

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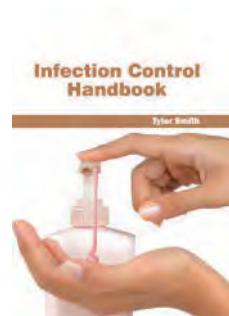
Handbook of Zoonosis

Zoonotic diseases are mostly caused by bacterial, viral or parasitic agents; even though, unusual agents such as prions could also be concerned in causing zoonotic disorders. Many of the zoonotic diseases are a health concern for the public, but also influence the manufacture of animal source foods. Hence, they can cause difficulties in the global trade of animal-origin goods. The main issue contributing to the appearance of new zoonotic pathogens in human population is the augmented contact between humans and animals. This book gives a helpful insight on zoonosis and will prove beneficial for readers interested in this field.

Infectious Diseases

Infection Control Handbook

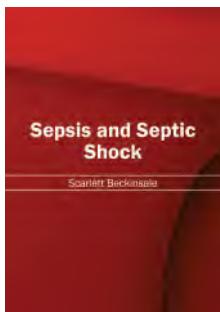
The book lays stress on the significance of infection control with the help of valuable information. Due to Healthcare Associated Infections (HAI) growing worldwide, they have become a serious problem for medical practitioners. It causes an increase in morbidity, death rate and hospitalization period for patients. Furthermore, it brings financial burden on the patient, health care set up and State and National Health Care System. 5 to 10% of patients on an average, in hospitals in developed countries are suffering from HAI. However, nearly 30% of these infections are preventable by following the infection control practices properly, especially maintaining proper hand hygiene while attending patients. Therefore, this book stresses on the necessity of Infection Control practices, and also highlights the growing trends of HAI due to *Pseudomonas aeruginosa*, *Acinetobacter* species etc.



Tyler Smith

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Infectious Diseases



Scarlett Beckinsale

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Book Size: 6"x9"
450pp./Colored
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Sepsis and Septic Shock

This is a comprehensive book which provides up-to-date detailed information regarding sepsis and septic shock. Even though extensive progress in the handling of severe sepsis and septic shock has been made, it is still one of the foremost causes of deaths around the world. Certain experts regard it as one of the most challenging issues due to its varied presentations and diverse complexities. Dedicated researchers from around the globe have contributed important information on this lethal condition. It is hoped that the hard work put in by the researchers will lead to the compilation of a useful source of guidance for continuing the intense work and interest in patient-care.

Infectious Diseases

Sepsis: Challenges and Concerns

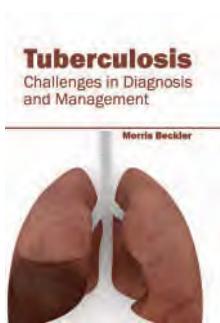
This book discusses the various challenges as well as concerns regarding sepsis. Sepsis has led to innumerable deaths in non-cardiologic intensive care units across the globe and researches are being conducted to comprehend the complexity of pathophysiology for obtaining future therapeutic opportunities. Billions of dollars are being consumed every year for the treatment of sepsis and research. Even then, the mortality rates continue to increase. This book covers various aspects of sepsis. It provides an overview of the history of sepsis and treatment of sepsis-related organ dysfunctions. It also discusses about pathophysiological and therapeutic characteristics of sepsis and includes research works of renowned experts and practitioners in this field. The book aims to increase the awareness of healthcare teams about important aspects of this severe condition such as early recognition and treatment of this disease.



Scarlett Beckinsale

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Infectious Diseases



Morris Beckler

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213pp./Colored
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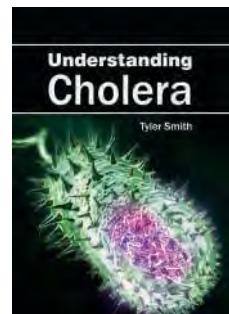
Tuberculosis: Challenges in Diagnosis and Management

Lack of well referenced, revised and standardized books on TB has led to formulation of this book sharing the clinical experiences of global professionals on TB. Data is being readily compiled from across the globe at a very fast rate about the efficiency of standardized treatment regimens for different forms of tuberculosis (TB) including drug-resistant TB, drug-sensitive TB and latent TB infection. At a time when we are facing the threat of multi drug-resistant TB [MDR-TB], development of extensively drug-resistant TB [XDR-TB] has threatened to undermine global efforts at TB control. This book covers in-depth analysis of all the developments and challenges in diagnosis and management of MDR-TB. Moreover, while physicians face the fatal disease of TB in their clinical practice, there have been several misunderstandings and controversies regarding various issues for the management and diagnosis of TB. The book covers topics like extra pulmonary tuberculosis and miscellaneous. Worldwide revival of MDR-TB shows that fight against this disease will continue in the coming years.

Infectious Diseases

Understanding Cholera

This book comprises the basic and advanced study of cholera and its impacts. The book also presents a broad overview on challenges posed by cholera and effective methodologies to tackle them. *Vibrio cholerae* is a powerful bacterium which causes the potentially lethal disease of Cholera, a disease which continues to be a major issue of concern across healthcare in the Third World. It is a complicated disease and a grave threat to health safety, as witnessed in the latest epidemic in Haiti and adjoining areas. However, with rapid progress in studies, it has now become completely preventable and curable. Major facets include a history of the disease, geographical distribution, transmission patterns and modes, bacterium characteristics, and preventive measures. This book will serve as a treasured resource for those who are toiling hard towards the improvement of public health. It presents a knowledgeable account from various experts who have made significant contributions to the sphere of understanding cholera.



Tyler Smith

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Immunology



Kevin Parker

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Book Size: 6"x9"
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Allergic Diseases: Clinical Advances

This book presents some latest perspectives connected to one of the most common clinical expression disease. The attempts of a group of excellent experts from several countries present a set of very promising scientific studies on clinical allergy, inflammation and basic mechanisms linked to the immune system response. The inflammatory reaction understanding in allergic disease has been clearly explained, along with new strategies for further researches.

Immunology

Allergic Diseases: Clinical Aspects and Treatment

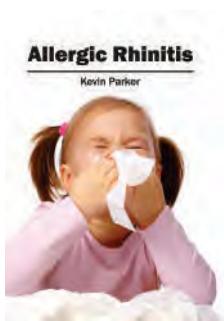
The present book reflects latest perspectives connected to one of the most common clinical expression disease. A group of excellent experts from several countries have provided a set of very promising scientific studies for an improved clinical care and also for the treatment and control of allergy. This book gives a valuable reference for many subject matters related to specific aspects of allergic diseases and their treatment strategies. Students, clinicians and researchers will benefit reading all the excellent chapters included in the book.



Kevin Parker

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Immunology



Kevin Parker

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226pp./Colored
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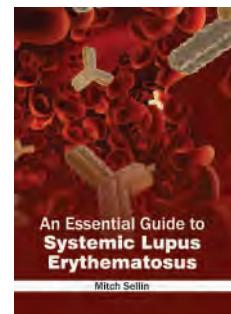
Allergic Rhinitis

This book offers an in-depth look at allergic rhinitis and various techniques for its management. Allergic rhinitis, while a cause of worry for a patient, can also be a challenge for specialists. That is why specialists should be well informed about the pathophysiology, and new analytic and therapeutic approaches related to the disease. This book presents a selection of significant aspects connected to allergic rhinitis. It includes an explanation of inventive translational methods allowing for the amalgamation of animal and human models. Contributing writers give an advanced evaluation of clinical features of allergic rhinitis in children, its involvement with bronchial asthma and other co-morbid circumstances. The readers will gain valuable information from this book.

Immunology

An Essential Guide to Systemic Lupus Erythematosus

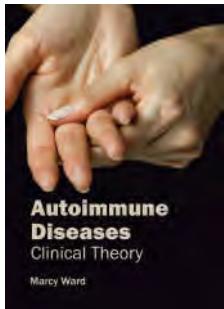
This book deals with the fundamentals and sciences of Systemic Lupus Erythematosus. It is an apt resource for scientists seeking extensive coverage of their spheres of interest. The book delves into the progress of molecular biology and how it has enhanced our comprehension of this disease. It is an important medical resource for practicing doctors coming from diverse spheres of rheumatology. It discusses cytokines, genetics, fas-pathway, toll like receptors and atherosclerosis in SLE. Animal models have also been looked into. This book will be resourceful for students, researchers and physicians.



Mitch Sellin

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Immunology



Marcy Ward

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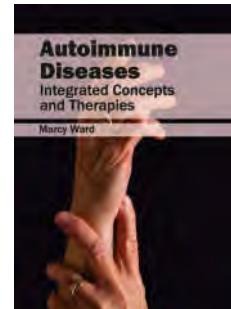
Autoimmune Diseases: Clinical Theory

Autoimmune Disorders, a heterogeneous and multifaceted group of diseases, affect virtually any organ of the human body. This book intends to present currently accessible manifestations by providing an etiopathogenetic overview of both systemic and organ detailed autoimmune diseases, pathogenesis of systemic autoimmune disorders: genetic and environmental contributors, the intersecting communication among autoimmunity and cardiovascular morbidity.

Immunology

Autoimmune Diseases: Integrated Concepts and Therapies

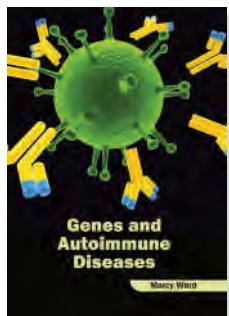
This book is a comprehensive study of diverse aspects of autoimmune diseases and their impacts. Autoimmune diseases stand for a group of more than 60 diverse chronic autoimmune disorders that distress roughly 6% of the population. It arises when the immune system vigorously targets and destroys own tissue which results in disease, with major examples being Lupus and Type 1 diabetes. The immune system is structured to defend the body from unfamiliar pathogens such as viruses and bacteria. However, throughout the procedure of generating immune cells for this reason; as a harmful effect, self-reactive immune cells are also generated. This book intends to present some resourceful information with several diagrams and case studies regarding the above stated topic.



Marcy Ward

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Immunology



Marcy Ward

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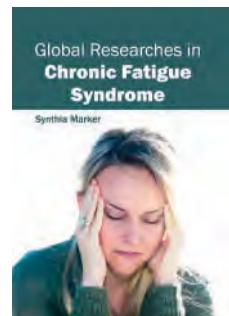
Genes and Autoimmune Diseases

Autoimmune disorder is a condition that arises when the immune system of human body attacks and kills healthy body tissue by mistake. A large number of people around the globe are being affected by autoimmune disorders. These are the second most common cause of chronic illness. Due to changing lifestyles, a lot more people are being diseased by autoimmune diseases. This book discusses the need for new developments in this field to discover and formulate cures for these disorders. A proper understanding of the functioning of gene expressions and accelerating signaling channels, which is related to the autoimmune pathogenesis while being connected to the recent data for the communication of microbiota with human immune system, will give a better insight into the immune imbalance implicated in autoimmunity.

Immunology

Global Researches in Chronic Fatigue Syndrome

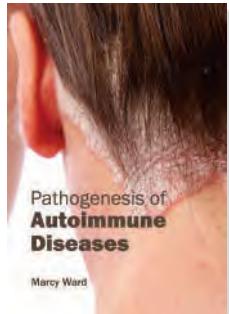
This book provides the readers with the global researches in chronic fatigue syndrome. Chronic fatigue syndrome (CFS) is the ordinary name for a collection of notably unbearable medicinal conditions characterized by constant exhaustion and other precise symptoms that last for a least of six months in adults. The fatigue is not due to physical exertion, not considerably comforted by rest, and is not caused by other medicinal situations. As sophisticated biomedical study methods are more and more practical to the research of CFS, it is certainly only a subject of time before biomarkers are identified, etiologies understood and remedies devised. This book acknowledges the actuality of CFS for patients with this disease and the significance of knowing the reasons, curing process and eventually a treatment. And while it is far from being a solution to CFS problems, it does showcase attempts to understand this complicated ailment with an underlying theme of considering CFS as a multisystem disease with its cause being an interplay of variety of reasons.



Synthia Marker

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Immunology



Marcy Ward

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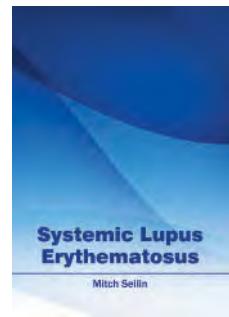
Pathogenesis of Autoimmune Diseases

Autoimmune Disorders refers to a heterogeneous and multifaceted group of diseases which can affect virtually any organ system of the human body. This book intends to present currently accessible manifestations by providing an etiopathogenetic overview of both systemic and organ detailed autoimmune diseases, comorbidities of autoimmune disorders, growth as well as new findings in the thrilling fields of osteoimmunology and immunology of pregnancy.

Immunology

Systemic Lupus Erythematosus

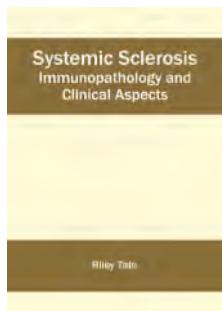
This book extensively deals with the fundamentals and medical sciences related to Systemic Lupus Erythematosus. It is an apt resource for scientists seeking extensive coverage of their spheres of interest. The book delves into the progress of molecular biology and how it has enhanced our comprehension of this disease. It is an important medical resource for practicing doctors coming from diverse spheres of rheumatology. This book discusses methods to avoid delay in SLE detection and handling with diverse clinical manifestations, it also examines pregnancy and SLE. This book will be resourceful for students, researchers and physicians.



Mitch Sellin

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Immunology



Riley Tate

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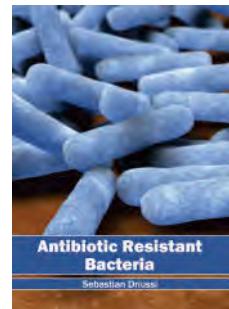
Systemic Sclerosis: Immunopathology and Clinical Aspects

This book consists of advanced information regarding the immunopathology and clinical aspects of systemic sclerosis (SSc). Systemic sclerosis, often called as Scleroderma (tight skin) is a skin disorder characterized by excessive creation of collagen fibers in the skin, which further leads to fibrosis. Growing evidence reflects three pathological hallmarks which are implicated in SSc: activation of fibroblasts, endothelial dysfunction and autoantibody formation - whose correct order has not yet been concluded. This book contains updated information regarding the clinical features and pathogenesis of this serious syndrome. This book aids both researchers and clinicians in handling patients with this syndrome.

Bacteriology

Antibiotic Resistant Bacteria

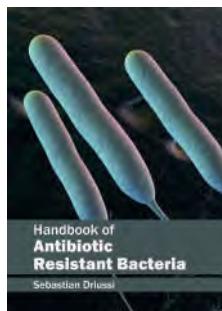
Antibiotic Resistant Bacteria are bacteria that cannot be killed or controlled by antibiotics. Most of the infecting bacteria can become resistant to at least one or two antibiotics. Anti-biotic resistance can be a serious disease and is currently, a major medical issue faced by scientists all over the world even though preventive, diagnostic and antibiotherapy techniques have improved significantly. In this book, scientists have presented observations from years of research, to provide an updated account on new strategies and methodologies from interventions against antibiotic resistant bacteria. This book deals with all the novel aspects of antibiotic resistant organisms, providing insight into all recently developed techniques highlighting antibiotic resistance at a global level, the techniques applied in nursing homes, trends in AR during cold storage of raw milk, and AR staphylococcus species of animal origin. This book is a valuable contribution to the progress of medical research.



Sebastian Driussi

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Bacteriology



Sebastian Driussi

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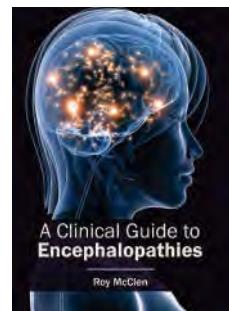
Handbook of Antibiotic Resistant Bacteria

Antibiotic Resistant Bacteria are bacteria that cannot be killed or controlled by antibiotics. Most of the infecting bacteria can become resistant to at least one or two antibiotics. Anti-biotic resistance can be a serious disease and is currently, a major medical issue faced by scientists all over the world even though preventive, diagnostic and antibiotherapy techniques have improved significantly. In this book, scientists have presented observations from years of research, to provide an updated account on new strategies and methodologies from interventions against antibiotic resistant bacteria. This book deals with all the novel aspects of antibiotic resistant organisms, providing insight into all recently developed techniques which is a valuable contribution to the progress of medical research such as mechanisms of antibiotic resistance in corynebacterium spp. causing infections in people, AR bacteria in food, assessment of antibiotic resistance in probiotic lactobacilli and susceptibility of probiotic bacteria.

Neuroscience & Neurology

A Clinical Guide to Encephalopathies

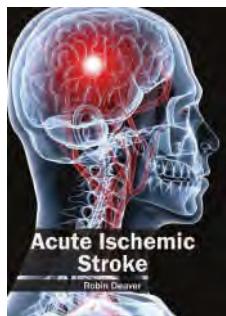
Disorders and diseases related to the brain are broadly classified together as encephalopathies. This book presents an account on various critical aspects of infectious-related encephalopathies, post-transplantation and drug-induced encephalopathies, by providing beneficial information shared by authors from their real life clinical and research experiences.



Roy McClen

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Neuroscience & Neurology



Robin Deaver

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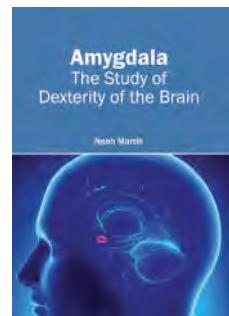
Acute Ischemic Stroke

A stroke can be ischemic or hemorrhagic. This book provides advanced information regarding acute ischemic stroke. Despite important technological developments in past few years, their influence on our overall health and social well-being is not always clearly visible. Evidently, one of the best instances of this is reflected by the fact that mortality rates as a consequence of cerebrovascular diseases have only slightly altered in the right direction, if they have changed at all. This makes cerebrovascular diseases one of the most widespread reasons for both disability and death. In such a case, to have a book that contains in a profound and summarized manner, a group of topics directly connected to the preclinical investigative developments and the therapeutic procedures for the cerebrovascular disease in its acute phase; makes for a helpful tool for the broad range of contributors of solution to the problems associated with this condition. These include students, professors, researchers, practitioners and a health policy maker whose work demonstrates one of the significant social and human impact challenges of the twenty-first century basic and clinical neurosciences.

Neuroscience & Neurology

Amygdala: The Study of Dexterity of the Brain

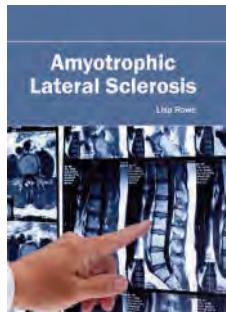
This book illustrates up-to-date information regarding amygdala and studies the dexterity of the brain. Among the various constituents of the limbic system, the amygdala is an intriguing structure that is involved in the procedures of liking and disliking and in the manners our emotions drive our actions and affect the strength of our memories. Integrated with novel conceptual breakthroughs, the most recent information acquired by veteran experts in amygdala function from all over the world has been reviewed in this book. This information should help the readers to comprehend how the amygdala contribute to these procedures as well as to a variety of neuropsychiatric and neurological pathologies. Due to the accelerating rate of research development, the information in this book accurately corresponds to various important questions addressed by veterans employing extremely specific techniques. Analysis from distinct research areas which are necessary for consideration in discussing the role of amygdala in memory and emotion has been compiled in this book.



Noah Martin

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Neuroscience & Neurology



Lisa Rowe

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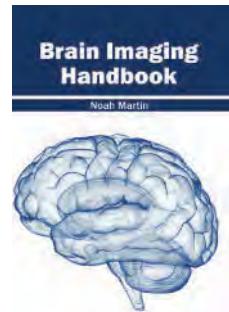
Amyotrophic Lateral Sclerosis

Though ample amount of research; both pre-clinical and clinical, has been conducted during the past few years, Amyotrophic Lateral Sclerosis (ALS) continues to be one of the mysterious diseases of 21st century. Significant attempts have been made for the progress of pathophysiological models and understanding the underlying pathology, and with new instruments in genetics and transgenic techniques, the goal of finding a durable cure has come into scope. On the contrary, most pharmacological trials have remained unsuccessful in depicting an advantage for ALS patients. In this book, readers will find a compilation of state-of-the-art examination of etiology, epidemiology, and pathophysiology of ALS, including the advantages and pitfalls in experimental models of Amyotrophic Lateral Sclerosis.

Neuroscience & Neurology

Brain Imaging Handbook

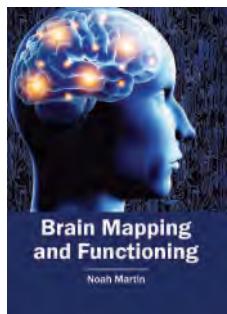
This book consists of significant researches in the field of brain imaging. Some major developments in medical diagnostic imaging have been made in the past few decades. The development of new imaging methods and constant enhancements in the display of digital images has opened innovative horizons in the research of brain structure and pathology. The area of brain imaging has now become an exciting multidisciplinary activity among researchers. This book provides a comprehensive summary of the developments made in brain imaging; and will benefit both students and experts involved in the field of neuroscience.



Noah Martin

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Neuroscience & Neurology



Noah Martin

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\$145.95 US

Year 2015

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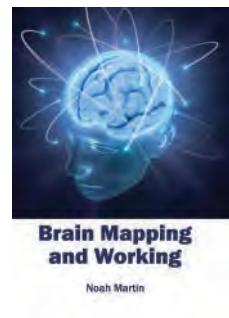
Hardback

Brain Mapping and Functioning

Functional brain mapping has acquired significant influence on academic and clinical practice and a large amount of grants are being issued to this branch of neuroscience to boost experimental and practical implementations, and to uncover the mysteries in this field. The most successful approach to unlock the mysteries of the brain, as said by Jay Ingram, is to bring together an interdisciplinary network of scientists and clinicians to encourage an interchange of ideas. This method of exchange is the main focus of this book. The important topics discussed are sensorimotor integration and attention, neural correlates for speech and gesture, biophysically detailed network model, and the integration of binocular retinal projections in the brain ceasing thoughts and brain activity.

Neuroscience & Neurology

Brain Mapping and Working



Noah Martin

ISBN: 978-1-63241-063-4

\$115.00 US

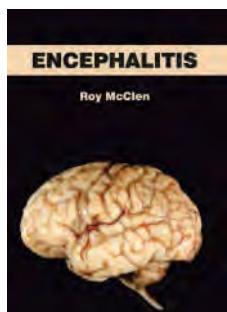
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Neuroscience & Neurology



Roy McClen

Encephalitis

This book provides an extensive introduction to encephalitis. Encephalitis is an acute inflammation of brain in humans and animals caused by different pathogens. Despite the advancements and developments in prevention, diagnostics and treatment methods during the last decades, encephalitis of different etiologies are still a menace for thousands of people all around the world. This book covers various aspects of encephalitis of different etiologies such as diagnostics, treatment and clinical management of patients. In addition, the data on epidemiology, monitoring, pathology and diagnostics of different viral causative agents has also been discussed.

Neuroscience & Neurology

Encephalitis: Pathogenesis



Roy McClen

ISBN: 978-1-63241-117-4

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Detailed account on the pathogenesis of encephalitis is provided in this book. Several infectious agents including bacteria, parasites, and viruses, can cause inflammation of the central nervous system (CNS). Encephalitis is an inflammation of the brain parenchyma, which may develop into a more intricate and severe disease known as meningoencephalitis. To establish precise diagnosis and formulate efficient drugs and vaccines against this disease, it is necessary to comprehend and analyze the mechanism of its pathogenesis. Extensive discourses on encephalitis have been presented in this book. Diagnosis and clinical symptoms of this disease along with a few neurological disorders, some virus infections, summaries of chemokine and inflammatory responses, non-viral causative agents of encephalitis, and the experimental model of encephalitis are the various topics that have been elucidated in this book. This book has been aimed at serving as a useful source of information for researchers as well as physicians and health care workers.

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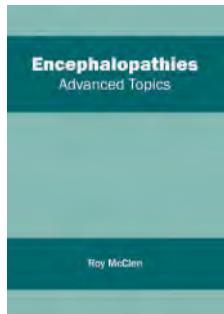
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Neuroscience & Neurology



Roy McClen

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Encephalopathies: Advanced Topics

Encephalopathies are a collective class of disorders related to the brain. This book encompasses significant aspects related to metabolic, hypoxic, neoplasm- and drug-related encephalopathies, by transmitting useful information filtered through the real life clinical and research experience of the authors.

Neuroscience & Neurology

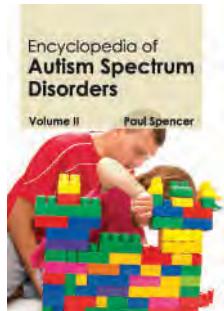
Encyclopedia of Autism Spectrum Disorders: Volume I



Paul Spencer

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 \$155.00 US
 Year 2015
 Book Size: 6"x9"
 364pp./Colored
 Hardback

Neuroscience & Neurology



Paul Spencer

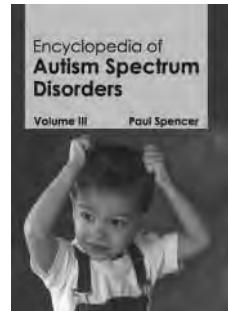
ISBN: 978-1-63241-123-5
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 213pp./Colored
 Hardback

Encyclopedia of Autism Spectrum Disorders: Volume II

This book extensively discusses Autism Spectrum Disorders (ASD) and its related aspects. Many researches are being conducted in the field of ASD and substantial efforts are being made to study it. It is usually difficult for any professional to keep pace with the current developments in this field. This book includes contributions of expert clinicians and renowned researchers from all over the world. It aims towards providing latest information and advances in the area of ASD. It gives broad overview of the topics which may be unfamiliar to researchers and clinicians. The topics have been organized under three sections: etiological factors - comorbidity; sensory issues, alcohol syndrome & relationships and etiological factors - parents & family.

Neuroscience & Neurology

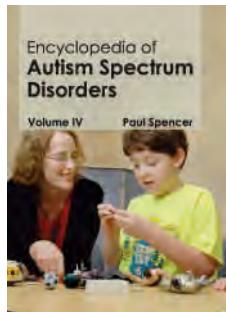
Encyclopedia of Autism Spectrum Disorders: Volume III



Paul Spencer

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 Book Size: 6"x9"
 236pp./Colored
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Neuroscience & Neurology



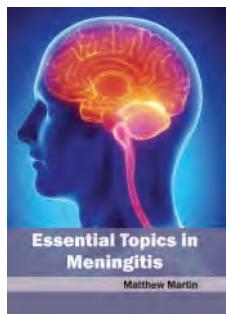
Paul Spencer

ISBN: 978-1-63241-125-9
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Book Size: 6"x9"
191pp./Colored
Hardback

Encyclopedia of Autism Spectrum Disorders: Volume IV

This book provides encyclopedic information regarding the Autism Spectrum Disorders (ASD). There are many researches currently being conducted in the field of autism spectrum disorders. Hence, keeping up with all the current happenings in this field is a challenging task. Therefore, this book has been compiled with the objective of providing readers with all the latest information and developments in this field. It covers topics on the evolutionary aspects of autism and emphasizes on the social attitude towards autism including the stigma issue. It further discusses electrophysiology and cortical modularity and also discusses treatment issues such as medical, sensory and community-based interventions. Additionally, it also presents an account on forensic issues and highlights the importance of built environment. This book will serve as a valuable reference for pediatricians, occupational therapists, psychologists, psychiatrists and care workers.

Neuroscience & Neurology



Matthew Martin

ISBN: 978-1-63241-220-1
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244pp./Colored
Hardback

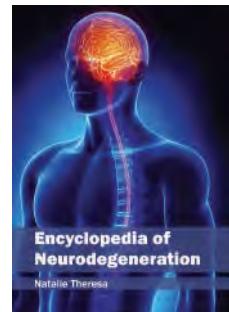
Essential Topics in Meningitis

Meningitis is described as a serious disease in which there is inflammation of the meninges. It is a medical emergency which demands immediate diagnosis and a quick transfer to an institution equipped with appropriate antibiotic and supportive measures. This book intends to acquaint general practitioners, pediatricians and specialist physicians with critical information in a presentable manner and highlight the differences in pathogenesis and causative agents of meningitis in the developed and the developing world.

Neuroscience & Neurology

Encyclopedia of Neurodegeneration

This book is designed to serve as a companion for the readers to help them comprehend the concept of neurodegeneration. At present, the human population is on a course to collision in terms of social and economic troubles. As a result of varying demographics and growth in human population over the age of 60, age-related neurodegenerative complications are prone to become more common. Therefore, it becomes necessary to attain a better perception of such neurodegenerative disorders so that these diseases can be managed more proactively with new processes. The purpose of this book is to present a picture of current developments in the understanding of essential biological processes that can modify the onset and continuum of neurodegenerative processes. This issue is dealt with at the molecular, cellular and whole organism level. We are hopeful that some of the latest findings depicted in this book will aid in better defining of the fundamental biological mechanisms underlying neurodegenerative processes and help in the development of new therapeutic pathways in the longer run.



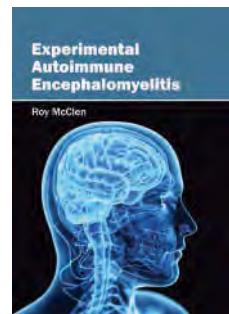
Natalie Theresa

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Neuroscience & Neurology

Experimental Autoimmune Encephalomyelitis

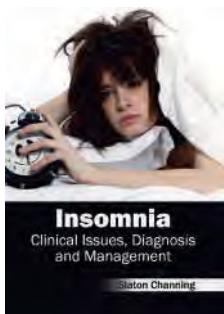
The book highlights experimental autoimmune encephalomyelitis which is the most commonly used experimental model. It is entirely based on the model of multiple sclerosis (MS) and experimental autoimmune encephalomyelitis (EAE). The book incorporates a very fine and deep analysis of recent and vastly used EAE models. Furthermore, the parts explaining novel probationary therapeutic advances show the applications of the EAE model for MS search. Latest research themes have been contributed by the learned and experienced international faculty, which testify the pivotal role of EAE in research around the globe. This text will contribute to knowledge of students and researchers by giving them detailed information about the subject and pushing them forward in their research.



Roy McClen

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Neuroscience & Neurology



Slaton Channing

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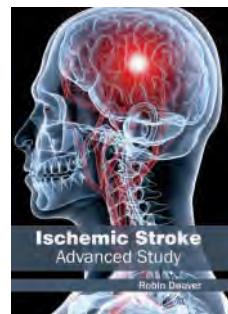
Insomnia: Clinical Issues, Diagnosis and Management

The origin of the word insomnia lies in Latin wherein "in" means no and "somnus" means sleep. This disorder is described as an inability to sleep or an absolute lack of sleep and several distinct analyses have shown that insomnia is quite a general condition, with symptoms present in almost 33-50% of the adult population. This book presents an elaborate and most advanced overview on the management and diagnosis of the recent knowledge of this disorder, describing distinct matters associated with this problem, including diagnosis, quality of life, epidemiology, psychopharmacology and management. For the presentation of a balanced medical outlook, this book is accumulated with contributions made by renowned researchers and scientists from across the globe.

Neuroscience & Neurology

Ischemic Stroke: Advanced Study

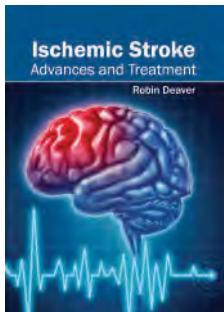
This book presents innovations in the pre-clinical study of stroke, comprising of new tools and findings in animal models of stroke, new biochemical mechanisms through which ischemic injury may be both formulated and confined. Although hypothermia has been so far the only "neuroprotection" cure that has endured the translation from preclinical to clinical studies, developments in both preclinical studies and in design of clinical trials will hopefully give more and better treatments for ischemic stroke. This book focuses on supplying the preclinical scientists with creative knowledge and instruments to examine new mechanisms of ischemic brain damage and its cure.



Robin Deaver

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Neuroscience & Neurology



Robin Deaver

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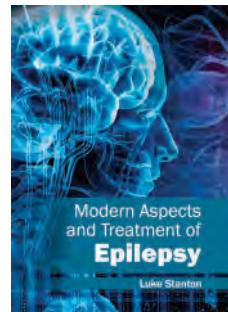
Ischemic Stroke: Advances and Treatment

This book provides significant information about the advances and treatment in relation to ischemic stroke. In past few years, research on ischemic stroke has generated powerful therapeutic tools. New frontiers of stem cell therapy and of hypothermia have been discovered, and new brain repair mechanisms have been uncovered. Confinement to intravenous thrombolysis has been developed and strong endovascular tools have been made available to clinicians. Surgical decompression in malignant stroke has significantly enhanced the prognosis of this often lethal condition. This book comprises of contributions from scientists active in this creative research. Stroke physicians, students, nurses and technicians will hopefully use it as an instrument of consistent medical education to update their knowledge in this rapidly advancing field.

Neuroscience & Neurology

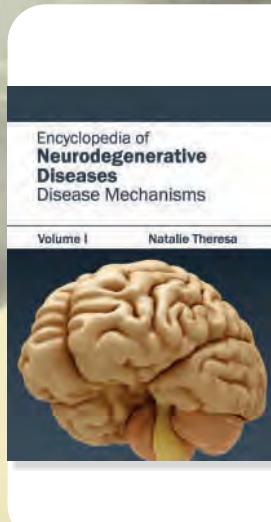
Modern Aspects and Treatment of Epilepsy

Epilepsy is a neurological disorder characterized by sudden recurrent episodes of sensory disturbance, loss of consciousness, or convulsions, related to abnormal electrical activity in the brain. This updated book on epilepsy research has been compiled in order to present research works of various renowned international experts from distinct educational backgrounds. This book deals with basic molecular and cellular mechanisms underlying epileptic seizures, electroencephalographic findings and neuropsychological, psychological and psychiatric aspects of both epileptic and non-epileptic seizures.



Luke Stanton

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Natalie Theresa

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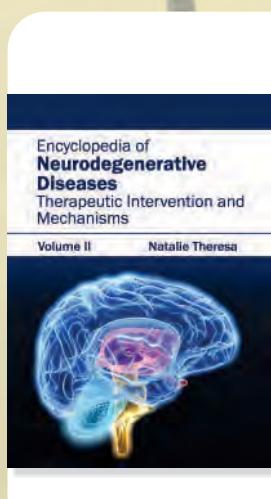
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Neuroscience & Neurology

Encyclopedia of Neurodegenerative Diseases: Disease Mechanisms Volume I

The mechanisms of neurodegenerative diseases are elucidated in this book. It throws light on the pathophysiological complexities of the mechanisms and factors that are most probably involved in a number of neurodegenerative and neuroinflammatory diseases including Parkinson disease, Alzheimer's disease, and other Dementia. The spectrum of various factors concerned with neurodegeneration, like oxidative stress, regulators, zinc, astrocytes, protein aggregation, caspases and secretase, cholesterol, oligodendrocytes, microglia, etc., have been elucidated in the light of disease progression. In addition, to disease mechanism, new approaches to therapeutic interventions have also been described. This book will serve as a valuable source of information for students, clinicians, scientists, etc.



Natalie Theresa

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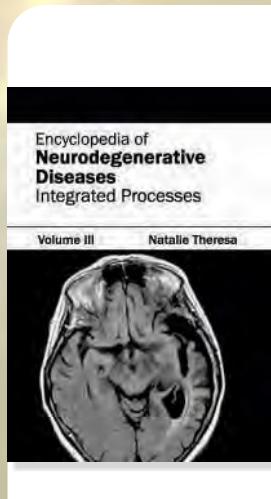
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Hardback

Neuroscience & Neurology

Encyclopedia of Neurodegenerative Diseases: Therapeutic Intervention and Mechanisms Volume II

This book examines generic mechanisms in neurodegenerative diseases. It throws light on the pathophysiological complexities of the mechanisms and factors that are most probably involved in a number of neurodegenerative and neuroinflammatory diseases including Parkinson disease, multiple sclerosis, Alzheimer's disease, spinal muscular atrophy, acute ischemic stroke, and cognitive dysfunction syndrome. The spectrum of various factors concerned with neurodegeneration, like oxidative stress, regulators, zinc, astrocytes, protein aggregation, caspases and secretase, cholesterol, oligodendrocytes, microglia, etc., have been elucidated in the light of disease progression. In addition, new approaches to therapeutic interventions have also been described. This book will serve as a substantial source of information for students, clinicians and scientists.



Natalie Theresa

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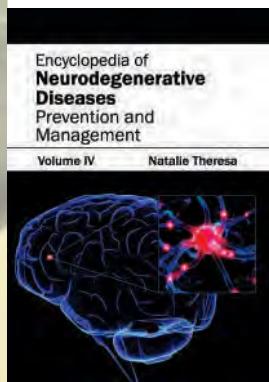
358pp./Colored

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Neuroscience & Neurology

Encyclopedia of Neurodegenerative Diseases: Integrated Processes Volume III

Integrated processes of neurodegenerative diseases have been provided in this all-inclusive book. It concentrates on biological mechanisms and neuoprotection of disease growth. It lays stress on the fundamental biological processes of neurodegeneration in distinctive neurodegenerative diseases. Although the main etiology for distinct neurodegenerative diseases is not same, there is a great level of similarity in the disease processes. The book introduces the impacts of toxic proteins, oxidative stress and intracellular calcium on distinct biological signaling pathways or molecular machineries to provide information to neurons to go through degeneration and also describes how neighboring glial cells modulate or promote neurodegeneration. This book will serve as a good source of information for college students, researchers, health care professionals and even patients' families, relatives as well as friends.



Natalie Theresa

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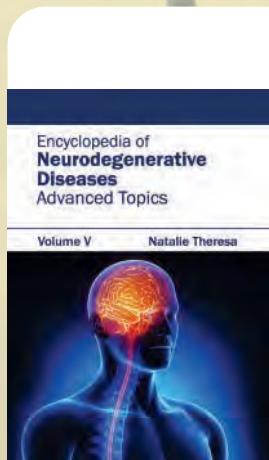
Neuroscience & Neurology

Encyclopedia of Neurodegenerative Diseases:

Prevention and Management

Volume IV

Information regarding neurodegenerative diseases has been provided in this all-inclusive book. It concentrates on prevention as well as monitoring of the disease growth. Although the main etiology for distinct neurodegenerative diseases is not same, there is a great level of similarity in the disease processes. The book provides an assessment of how metabolic and hormonal controls modulate disease progression. Some preventive techniques using natural products and novel pharmacological targets are also given. The process of facilitation of patient monitoring with the help of medical devices is also explored. This book will serve as a good source of information for college students, researchers, health care professionals and even patients' families, relatives as well as friends.



Natalie Theresa

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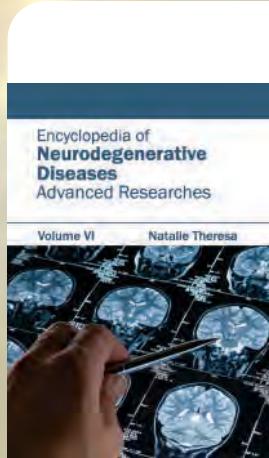
Neuroscience & Neurology

Encyclopedia of Neurodegenerative Diseases:

Advanced Topics

Volume V

This book targets various diseases, such as Alzheimer's disease, frontotemporal dementia and various tauopathies. It also provides a profound explanation of various neurodegenerative diseases with novel theories of understanding the etiology, pathological mechanisms, drug screening methodology and new therapeutic interventions. It discusses how hormones and health food supplements influence disease progression of neurodegenerative diseases. This book is appropriate for a various groups of people: college students can utilize it as a textbook; researchers in academic institutions; pharmaceutical companies can use it as an up-to-date account of research information; health care professionals can take it as a reference book, and patients' families, relatives and friends can refer to it as a good means to understand neurodegenerative diseases.



Natalie Theresa

ISBN: 978-1-63241-181-5

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Year 2015

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Neuroscience & Neurology

Encyclopedia of Neurodegenerative Diseases:

Advanced Researches

Volume VI

This book provides an extensive account of various diseases, such as Parkinson's disease, prion disease, motor neuron diseases like multiple sclerosis and spinal muscular atrophy. It also offers a profound explanation of various neurodegenerative diseases with novel theories of understanding the etiology, pathological mechanisms, drug screening methodology and new therapeutic interventions. It discusses how hormones and health food supplements influence disease progression of neurodegenerative diseases and it also deals with the collection of prion proteins in prion diseases along with discussing application of stem cells.

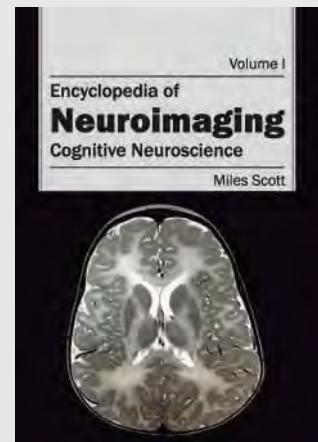
Neuroscience & Neurology

Miles Scott

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Hardback

Encyclopedia of Neuroimaging: Cognitive Neuroscience Volume I

The cognitive neurosciences of neuroimaging are described in this all-inclusive book. The rate of technological advancement is stimulating increasingly comprehensive lines of enquiry in cognitive neuroscience, which displays no sign of slowing down in the distant future. However, it is unlikely that even the most powerful advocates of the cognitive neuroscience approach would maintain that developments in cognitive theory have kept in step with techniques-based advancements. There are numerous reasons for the failure of neuroimaging studies to satisfactorily resolve a number of most significant theoretical debates in the literature. For example, a crucial proportion of published functional magnetic resonance imaging (fMRI) studies are not well explained in cognitive theory, and this depicts a step away from the conventional approach in experimental psychology of systematically and technically building on (or chipping away at) present theoretical models using authentic methodologies. Unless, the experimental analysis design is set up within a vividly outlined theoretical framework, any inferences that are drawn are unlikely to be accepted as anything other than analytical. The book includes excellent research chapters on images of the cognitive brain across age and culture, functional and structural magnetic resonance, neuroimaging and outcome assessments, and cognitive and psychological functions of sleep.

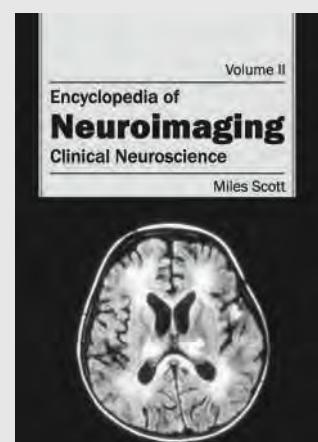


Miles Scott

ISBN: 978-1-63241-183-9
\$115.00 US
Year 2015
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227pp./Colored
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Encyclopedia of Neuroimaging: Clinical Neuroscience Volume II

The clinical neurosciences of neuroimaging are described in this all-inclusive book. The rate of technological advancement is stimulating increasingly comprehensive lines of enquiry in neuroscience, which displays no sign of slowing down in the distant future. However, it is unlikely that even the most powerful advocates of the cognitive neuroscience approach would maintain that developments in cognitive theory have kept in step with techniques-based advancements. There are numerous reasons for the failure of neuroimaging studies to satisfactorily resolve a number of most significant theoretical debates in the literature. For example, a crucial proportion of published functional magnetic resonance imaging (fMRI) studies are not well explained in cognitive theory, and this depicts a step away from the conventional approach in experimental psychology of systematically and technically building on (or chipping away at) present theoretical models using authentic methodologies. Unless, the experimental analysis design is set up within a vividly outlined theoretical framework, any inferences that are drawn are unlikely to be accepted as anything other than analytical. This book examines neuroimaging data in bipolar disorder, neuroimaging outcomes of brain training trials, somatosensory stimulation in functional neuroimaging, reinforcement learning and human brain.

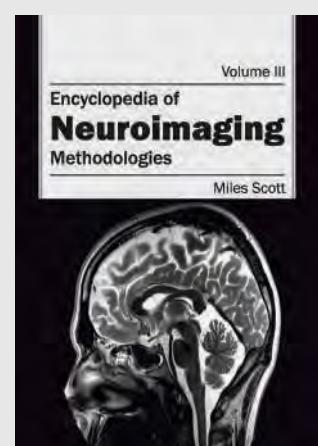


Miles Scott

ISBN: 978-1-63241-184-6
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Encyclopedia of Neuroimaging: Methodologies Volume III

This extensive book elucidates the techniques and methodologies of neuroimaging. Neuroimaging techniques continue to grow at a significant rate, constantly providing advanced ways for analyzing brain structure and function. This book is aimed at providing a comprehensive overview of methods and applications of neuroimaging with the help of well-established and rising methods. The book descriptively provides an understanding on how the limits of possibilities are being extended with neuroimaging techniques.



Neuroscience & Neurology

Miles Scott

ISBN: 978-1-63241-185-3

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Year 2015

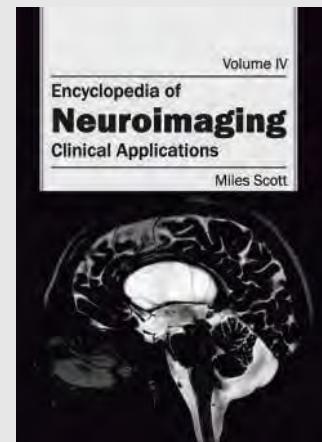
Book Size: 6"x9"

385pp./Colored

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Encyclopedia of Neuroimaging: Clinical Applications Volume IV

Modern neuroimaging tools provide exceptional chances for understanding brain neuroanatomy and its role in health and illness. Each feasible technique carries with it a specific balance of potentials and drawbacks, such that converging evidence formed on multiple methods provides the strongest approach for enhancing our knowledge in the fields of clinical and cognitive neuroscience. The aim of this book is to provide a "snapshot" of present developments using well established and newly emerging techniques. The book richly illustrates overviews of MRI/MRS features, the advantages of magneto-encephalography (MEG), use of neuroimaging tools to guide gamma knife radiosurgery, robotic arm guided approach to explore the insular cortex, etc.



Miles Scott

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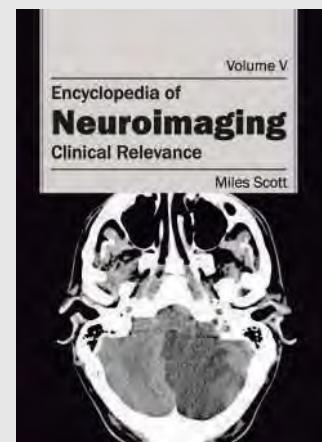
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Encyclopedia of Neuroimaging: Clinical Relevance Volume V

Modern neuroimaging tools provide exceptional chances for understanding brain neuroanatomy and its role in health and illness. Each feasible technique carries with it a specific balance of potentials and drawbacks, such that converging evidence formed on multiple methods provides the strongest approach for enhancing our knowledge in the fields of clinical and cognitive neuroscience. The aim of this book is to provide a "snapshot" of present developments using well established and newly emerging techniques. The book includes the role of SPECT in the diagnosis of idiopathic Parkinson's disease, developments in dopamine transporter imaging and the application of non-conventional neuroimaging techniques in neuropsychiatric systemic lupus erythematosus (NPSLE) is discussed in detail.



Miles Scott

ISBN: 978-1-63241-187-7

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Year 2015

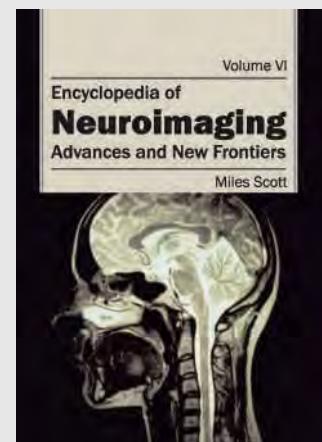
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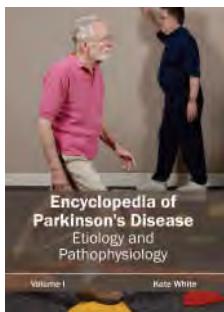
Encyclopedia of Neuroimaging: Advances and New Frontiers Volume VI

This book explores the advances as well as new frontiers in the field of neuroimaging and provides up-to-date information to the readers interested in this field. It is compiled with contributions from expert researchers and veteran scientists from across the globe. It elucidates various types of brain connections. The technique of neuroimaging in narcolepsy and topics like morphometry and tractography have also been discussed in this all-inclusive book. The primary aim of this book is to serve as a useful source of information for researchers, scientists as well as students interested in gaining knowledge regarding the latest techniques and applications as well as advances in the field of neuroimaging.



Medical Science

Neuroscience & Neurology



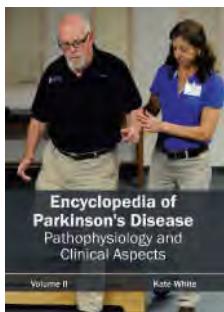
Kate White

ISBN: 978-1-63241-189-1
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Book Size: 6"x9"
348pp./Colored
Hardback

Volume I

Encyclopedia of Parkinson's Disease: Etiology and Pathophysiology

The current book represents an elaborated study of the etiology and pathophysiology of Parkinson's disease, which is a complex neurological disorder. In this book, the ecological and biological agents which become the cause of Parkinson's disease have been described in detail. Other than genetic aspects, pathophysiological aspects of the disease have also been explained. Written by teachers of well reputed academic institutions the book highlights both primary and clinical approaches of Parkinson's disease. This book will be of great use for scientists and researchers. Also, neuroscience students and readers can gain ample knowledge from this book.



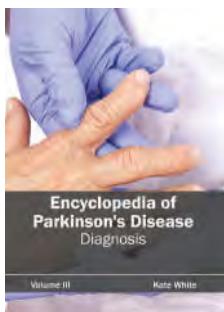
Kate White

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Book Size: 6"x9"
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Hardback

Volume II

Encyclopedia of Parkinson's Disease: Pathophysiology and Clinical Aspects

The current book represents an elaborated study of the etiology and pathophysiology of Parkinson's disease, which is a complex neurological disorder. In this book, the ecological and biological agents which become the cause of Parkinson's disease have been described in detail. The book provides detailed description to readers about latest developments in several branches like neurotransmitters, inflammatory responses, oxidative pathways and biomarkers. Written by teachers of well reputed academic institutions the book highlights both primary and clinical approaches of Parkinson's disease. This book will be of great use for scientists and researchers. Also, neuroscience students and readers can gain ample knowledge from this book.



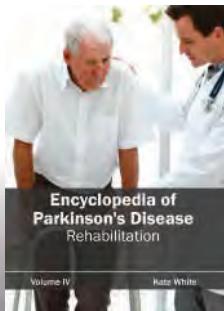
Kate White

ISBN: 978-1-63241-191-4
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Year 2015
Book Size: 6"x9"
266pp./Colored
Hardback

Volume III

Encyclopedia of Parkinson's Disease: Diagnosis

This book on Parkinson's disease provides latest information pertaining to topics associated with this disease, including research, early biomarkers for the diagnostics, and latest applications of brain imaging to analyze Parkinson's disease. Researchers have currently started to focus on the non-motor symptoms of this disease, which are poorly identified and insufficiently treated by clinicians and have a considerable effect on the quality of life of the patient and mortality and include autonomic, sensory and gastrointestinal symptoms, and cognitive impairments. Detailed discussion of the use of imaging tools to analyze disease mechanisms is also given, with stress on the abnormal network organization in Parkinsonism. Deep brain stimulation management is a paradigm-shifting therapy for this disease and dystonia as well as essential tremor. Novel approaches of early diagnostics, treatments and training programs have greatly enhanced the lives of people suffering from this disease in the latest years, significantly decreasing symptoms and delayed disability. This comprehensive book consists of information contributed by renowned veteran scientists from across the globe.



Kate White

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Book Size: 6"x9"
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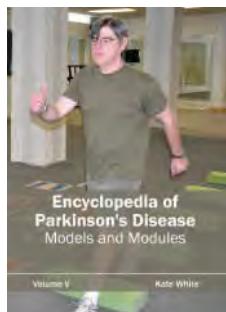
Volume IV

Encyclopedia of Parkinson's Disease: Rehabilitation

This book is a detailed, applicable and step-by-step medium helping students and researchers to understand Parkinson's disease. It provides the latest information pertaining to topics associated with this disease, including etiology, new methodologies to examine symptoms, multidisciplinary rehabilitation and invasive techniques to analyze Parkinson's disease. Researchers have currently started to focus on the non-motor symptoms of this disease, which are poorly identified and insufficiently treated by clinicians and have a considerable effect on the quality of life of the patient and mortality and include autonomic, sensory and gastrointestinal symptoms, and cognitive impairments. Detailed discussion of the use of imaging tools to analyze disease mechanisms is also given, with stress on the abnormal network organization in Parkinsonism. Novel approaches of early diagnostics, treatments and training programs have greatly enhanced the lives of people suffering from this disease in the latest years, significantly decreasing symptoms and delayed disability. This comprehensive book consists of information contributed by renowned veteran scientists from across the globe.

Medical Science

Neuroscience & Neurology



Kate White

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Hardback

Encyclopedia of Parkinson's Disease: Models and Modules

Volume V

This book on Parkinson's disease (PD) elaborates the state-of-the-art research in the field. PD is caused mainly due to the death of dopaminergic neurons in the substantia nigra. Recent PD medications treat symptoms; though none decrease the rate of dopaminergic neuron degeneration. The primary problem in development of neuroprotective therapies is a restricted comprehension of the crucial molecular mechanisms that incite neurodegeneration. The discovery of PD genes has led to the hypothesis that dysfunction of the ubiquitin-proteasome pathway and misfolding of proteins are both critical to pathogenesis of the disease. PD models based on the manipulation of PD genes should prove crucial in explaining significant characteristics of the disease, like selective vulnerability of substantia nigra dopaminergic neurons to the degenerative process. This book includes some important topics such as update on PD, oxidative stress-damage, PD & immune system and membrane binding & its implications.



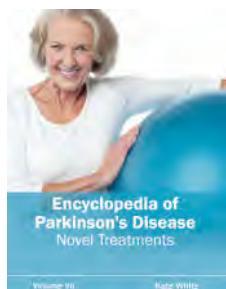
Kate White

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Encyclopedia of Parkinson's Disease: Therapeutics

Volume VI

Various therapeutic modalities and treatments of Parkinson's disease (PD) have been described in this book. This disease is caused mainly due to the death of dopaminergic neurons in the substantia nigra. Recent PD medications treat symptoms; though none decrease the rate of dopaminergic neuron degeneration. The discovery of PD genes has led to the hypothesis that dysfunction of the ubiquitin-proteasome pathway and misfolding of proteins are both critical to pathogenesis of the disease. Oxidative stress and mitochondrial dysfunction, earlier labeled as responsible in the neurodegeneration of this disease, may also act in part by causing the collection of misfolded proteins, along with the production of other harmful events in dopaminergic neurons. PD models based on the manipulation of PD genes should prove crucial in explaining significant characteristics of the disease, like selective vulnerability of substantia nigra dopaminergic neurons to the degenerative process. Some important topics include theoretical model for PD, PD in drosophila, animal models of PD, etc.



Kate White

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201pp./Colored
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Encyclopedia of Parkinson's Disease: Novel Treatments

Volume VII

The novel treatments in the field of Parkinson's disease (PD) are discussed in this book. Recent Parkinson's disease medications treat symptoms; though none decrease the rate of dopaminergic neuron degeneration. The discovery of PD genes has led to the hypothesis that dysfunction of the ubiquitin-proteasome pathway and misfolding of proteins are both critical to pathogenesis of the disease and earlier labeled as responsible in the neurodegeneration of this disease, oxidative stress, and mitochondrial dysfunction may also act in part by causing the collection of misfolded proteins, along with the production of other harmful events in dopaminergic neurons. Models based on neurotoxin have been crucial in explaining the molecular cascade of cell death in dopaminergic neurons. This book includes important topics in the novel treatments of PD such as distribution & regulation of G-protein, inflammation in PD, embryonic stem cells in PD and the role of neuropeptide substance.



Kate White

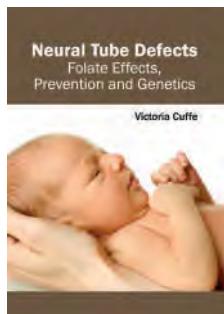
ISBN: 978-1-63241-196-9
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411pp./Colored
Hardback

Encyclopedia of Parkinson's Disease: Advanced Therapies

Volume VIII

The advanced therapies in the field of Parkinson's disease (PD) are discussed extensively in this book. This disease is clinically characterized by distinct progressive motor and non-motor symptoms, pathologically due to loss of dopamine generating cells and intraneuronal cytoplasmic inclusions comprised mainly of synuclein. A considerable proportion of the cells in the substantia nigra are already lost before patients are first diagnosed with even the earliest symptoms of PD at the clinic. This damage continues irrespective of the available therapies until the cell loss is so high that the quality of normal life is endangered. The aim of this book is to provide the readers with a comprehension regarding the mechanisms of degeneration as well as formulation of disease modifying therapies.

Neuroscience & Neurology



Victoria Cuffe

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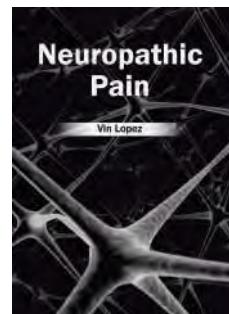
Neural Tube Defects: Folate Effects, Prevention and Genetics

This book on neural tube defects has been compiled with information obtained through extensive and thorough research. It consists of contributions made by veteran international authors from across the globe and it serves as a great source of information for anybody who is interested in this significant subject. The book covers important topics such as the role of folic acid and prevention of neural tube disease, genetics of neural tube defects, and surgical treatment of large thoracolumbar.

Neuroscience & Neurology

Neuropathic Pain

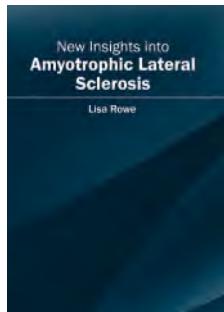
Neuropathic pain is a pain associated with nerves. The intensity of this is dependent on the austerity, pain threshold and the sufferer's ability to cope. Despite trying to treat neuropathic pain with mono-therapy or their combinations, it may not be resolved completely. Therefore, the patient's consent and understanding is required for its management. Knowledge and patient's awareness as an objective may be helpful during therapies for neuropathic pain. The book acknowledges the contribution of its makers and includes the introduction, characteristics, treatment and randomized interventions to particular management of neuropathic pain.



Vin Lopez

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Neuroscience & Neurology



Lisa Rowe

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Book Size: 6"x9"
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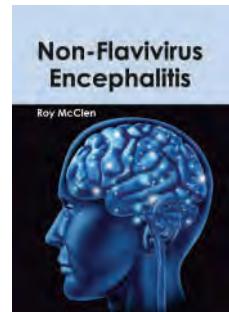
New Insights into Amyotrophic Lateral Sclerosis

Amyotrophic Lateral Sclerosis (ALS) continues to be one of the mysterious diseases of 21st century, even though ample amount of research; both pre-clinical and clinical, has been conducted during the past few years. Significant attempts have been made for the progress of pathophysiological models and understanding the underlying pathology, and with new instruments in genetics and transgenic techniques, the goal of finding a durable cure has come into scope. On the contrary, most pharmacological trials have remained unsuccessful in depicting an advantage for ALS patients. In this book, readers will find a compilation of state-of-the-art examination of human genetics in ALS, molecular basis of disease development and clinical manifestations, and new investigation principles in the area of electrophysiology. An overview about all relevant pharmacological trials in ALS patients is also included, while the book ends with a discourse on present developments and future trends in ALS research.

Neuroscience & Neurology

Non-Flavivirus Encephalitis

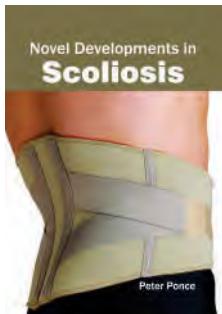
Non-flavivirus encephalitis is a group of disorders involving chronic inflammation of the brain other than the ones caused by the flavivirus genes. This is a comprehensive book which encompasses the various aspects of non-flavivirus encephalitis of distinct etiology and discusses the basic problems of epidemiology like the analysis of zoonotic and animal vectors of encephalitis causative agents and methodologies as well as approaches for encephalitis zoonoses investigations. The members of various virus species are considered as the causative agents of this disorder, and these viral pathogens, their pathology, epidemiology, diagnostics and molecular mechanisms of encephalitis development by such viruses as SIV/HIV, measles virus, alphaviruses, herpes simplex virus type 1 and equine herpesvirus 9, coronaviruses and rhabdovirus have been discussed in this insightful book. The book also presents the analysis of protozoan pathogens like amoebae and toxoplasma and multicellular pathogens like human Filaria Loa Loa - a filarial worm restricted to the West Africa.



Roy McClen

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Neuroscience & Neurology



Peter Ponce

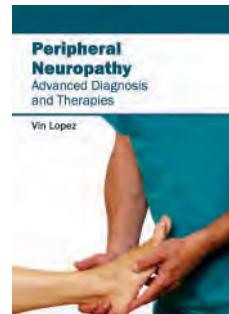
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Novel Developments in Scoliosis

This book is written by experts researching in the field of scoliosis. It deals with the current developments and advancements in the aetiology of idiopathic scoliosis, for the evaluation of this circumstance before treatment and throughout the follow-up. It also makes a note of rising technology and systematic methods like virtual anatomy by 3-D MRI/CT, quantitative MRI and moire topography. Some new methods in traditional management and the long term result and difficulties of surgical treatment are analyzed. Topics like emotional aspects of scoliosis management and the patient's perspectives are also discussed within the book. This book intends to present some useful information to both students and experts.

Neuroscience & Neurology

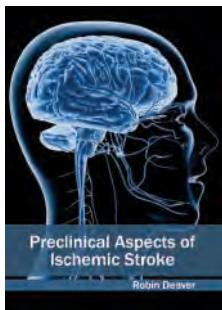
Peripheral Neuropathy – Advanced Diagnosis and Therapies



Vin Lopez

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Neuroscience & Neurology



Robin Deaver

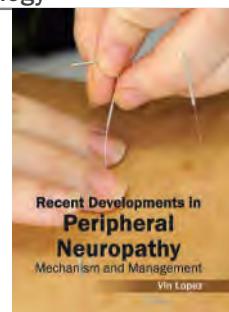
ISBN: 978-1-63241-323-9
\$115.00 US
Year 2015
Book Size: 6"x9"
240pp./Colored
Hardback

Preclinical Aspects of Ischemic Stroke

This book presents innovations in the pre-clinical study of stroke addressing new pathways to neuroprotection. Although hypothermia has been so far the only "neuroprotection" cure that has endured the translation from preclinical to clinical studies, developments in both preclinical studies and in design of clinical trials will hopefully give more and better treatments for ischemic stroke. This book focuses on supplying the preclinical scientists with creative knowledge and instruments to examine new mechanisms of ischemic brain damage and its cure.

Neuroscience & Neurology

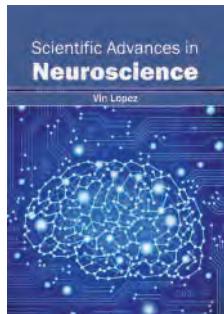
Recent Developments in Peripheral Neuropathy: Mechanism and Management



Vin Lopez

ISBN: 978-1-63241-334-5
\$90.00 US
Year 2015
Book Size: 6"x9"
173pp./Colored
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Neuroscience & Neurology



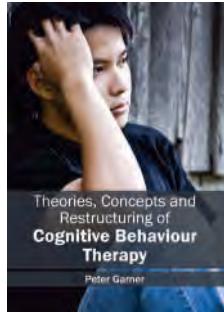
Vin Lopez

ISBN: 978-1-63241-347-5
\$159.00 US
Year 2015
Book Size: 6"x9"
441pp./Colored
Hardback

Scientific Advances in Neuroscience

This book documents the scientific developments in neuroscience and is all-inclusive. The neuronal doctrine currently reached its 100th year and along with the development of psychopharmacology by the middle of 20th century, boosted significant advancements in the knowledge of the biological bases of behavior. The great amount of data collected, forced the diversification of neuroscience into various sub-disciplines, but this division needs to dissolve in the 21st century and emphasize on particular procedures that involve varied theoretical and methodological approaches. The information presented in this book demonstrates that neuroscience converges in the search for accurate answers to numerous questions, including the process of communication among individuals, the pathways followed by cells and inflammation. The development of drug dependence, memory and learning, and approaches to elucidate the procedures that underlie two extremely incapacitating chronic degenerative diseases are also included.

Neuroscience & Neurology



Peter Garner

ISBN: 978-1-63241-366-6
\$115.00 US
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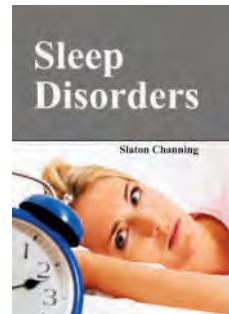
Theories, Concepts and Restructuring of Cognitive Behaviour Therapy

This book extensively discusses the theories, concepts and restructuring of cognitive behaviour therapy (CBT). Cognitive-behavioral therapy is the most rapidly escalating and the best factually approved psychotherapeutic approach. This book is a compilation of contributions by international veterans and aims at providing knowledge to maximum mental health professionals with updated information about CBT. It commences with an introduction of CBT and its conceptual aspects along with knowledge about the processes for assessment and restructure of cognitions. It lays stress on automatic thoughts and underlying assumptions along with the essential techniques formulated to modify core beliefs. Furthermore, the cognitive therapy of crucial psychiatric disabilities has also been discussed including reviews about the latest advances of CBT for bipolar disorder, obsessive-compulsive disability and depression.

Neuroscience & Neurology

Sleep Disorders

This book presents an all-inclusive account on the vast field of sleep disorders. To enhance the prospects of advancement in a clinical field like sleep medicine, free flow of information and developments in clinical practice should be available. This book provides latest information and advances in the field of sleep disorders for the reference of researchers, scientists, physicians and concerned individuals. It overcomes barriers in the way of dissemination of information and thereby, communicates effectively about ongoing researches in this field. The topics in this book reflect observations and leading edge ideas relating to various issues and aspects of sleep disorders. Special emphasis has been laid on medical and social aspects of sleep-related disorders. These aspects focus on different groups, from children to adults, pregnant women, professional workers and adolescents.



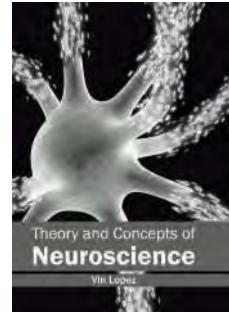
Slaton Channing

ISBN: 978-1-63241-355-0
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Neuroscience & Neurology

Theory and Concepts of Neuroscience

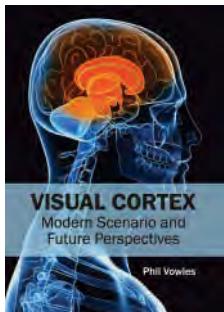
This book presents an in-depth description of the field of neuroscience by elaborating essential theories and concepts. This field embraces not only physiological and anatomical analyses but also computer science, biochemistry, and biology. Several other significant fields for neuroscientific research include psychiatry, psychology, neurology and additional current ones, like social neuroscience and neuroeconomics. Various topics in neuroscience are encompassed in this all-inclusive book including cellular, cognitive, computational, and clinical neuroscience. The latest developments in particular areas like social neuroscience, which is comparatively a novel field that analyzes the neural basis of social interplays, are also illustrated in this book. There is extensive information which focuses on technological advancements like optical tools to analyze the function of the brain. The book consists of latest contributions made by veteran scientists and researchers from across the globe.



Vin Lopez

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Neuroscience & Neurology



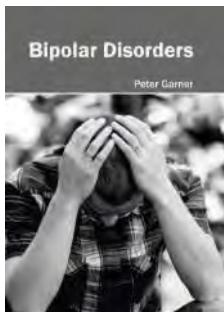
Phil Vowles

ISBN: 978-1-63241-383-3
\$159.00 US
Year 2015
Book Size: 6"x9"
423pp./Colored
Hardback

Visual Cortex: Modern Scenario and Future Perspectives

This book discusses the modern scenario as well as future perspectives regarding the topic of visual cortex with the help of research-focused advanced information. Neurosciences have experienced enormous and remarkable developments in several areas. The spectrum of neurosciences is wide-ranging and covering some of the classical fields like genetics, computer sciences, electrophysiology, physics, and social and marketing neurosciences. To reflect and analyze these developments, several books have been produced. Perhaps the visual cortex and the visual system were in the forefront because a majority of animals do not generate their own light and offer the benefit of allowing investigators to conduct experiments in complete control of the stimulus. The times of individuals like Diderot, who could alone carry out the production of an entire encyclopedia, have been long lost. Indeed most of the methods of analyzing the nervous system are authentic and neuroscientists produce an enormous amount of data along with extremely worthy hypotheses which result in creation of novel ventures in search of brain functions.

Psychiatry



Peter Garner

ISBN: 978-1-63241-057-3
\$115.00 US
Year 2015
Book Size: 6"x9"
248pp./Colored
Hardback

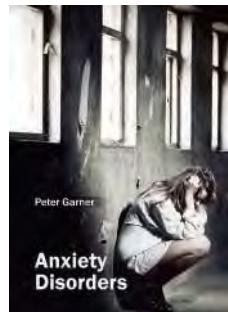
Bipolar Disorders

Bipolar disorders are a growing concern in today's world. This book is a step towards integrating various outlooks on Bipolar Disorders (BD). The variety in the perspectives of these disorders makes it complicated to clearly outline the limits of BD. It is useful to view BD from this viewpoint, as a final general pathway arising from numerous frames of reference. The incorporation of epigenetics, molecular pharmacology, and neurophysiology is necessary. One explanation involves using this varied data to look for endophenotypes to help experts, even though most clinicians favor broader groupings of symptoms and scientific variables. This book attempts to combine this fresh information with existing clinical methods in a practical approach. It will be helpful for readers interested in learning about this field.

Psychiatry

Anxiety Disorders

This book consists of contributions made by several clinical psychiatrists from across the globe, aimed at developing general research regarding anxiety and applying it in clinical contexts. Up-to-date information regarding the field has been presented in this book, outlining the clinical pitfalls. It encompasses two sections on basic matters about anxiety and fundamental research matters on particular aspects of anxiety.



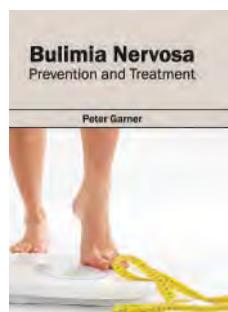
Peter Garner

ISBN: 978-1-63241-047-4
\$90.00 US
Year 2015
Book Size: 6"x9"
217pp./Colored
Hardback

Psychiatry

Bulimia Nervosa: Prevention and Treatment

Bulimia nervosa and eating disorders are common causes of distress and health related anxiety for young women and men. This book attempts to create an awareness of bulimia nervosa to help its prevention and cure. This book will be beneficial for therapists interested in advancing their current methodologies. It will also benefit those who are interested in an earlier and more effective prevention and in decreasing the distance between disease onset and access of treatment. This book gives practical guidance, novel ideas and manner of thinking about bulimia nervosa and the experience of illness.



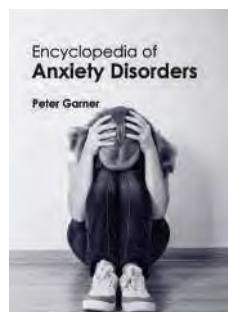
Peter Garner

ISBN: 978-1-63241-071-9
\$115.00 US
Year 2015
Book Size: 6"x9"
202pp./Colored
Hardback

Psychiatry

Encyclopedia of Anxiety Disorders

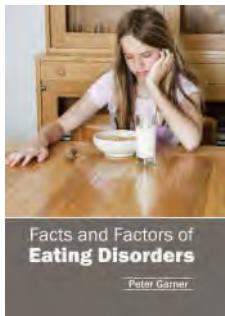
This book is a collection of contributions made by several clinical psychiatrists from across the globe, aimed at developing general research regarding anxiety and applying it in clinical contexts. It encompasses basic matters on clinical problems related to anxiety and novel therapeutic strategies applied. Substantial information regarding this field has been presented in this book.



Peter Garner

ISBN: 978-1-63241-120-4
\$124.95 US
Year 2015
Book Size: 6"x9"
244pp./Colored
Hardback

Psychiatry



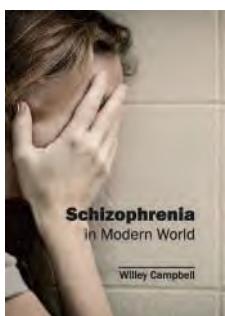
Peter Garner

ISBN: 978-1-63241-222-5
\$159.00 US
Year 2015
Book Size: 6"x9"
405pp./Colored
Hardback

Facts and Factors of Eating Disorders

The book primarily deals with the description of the various facts and factors of eating disorders. Though seemingly non serious, eating disorders are alarmingly common and often have disastrous consequences. Various factors, including biological, social, and psychological; play an important role in both the cause and the progress of these disorders. The interrelation between these factors can be helpful in better explaining the problem of the incidence of a particular eating disorder, its manifestation, progression and outcome. This text encompasses various researches related to the basic concepts of eating disorders, including both general topics and various methods of treatment. Factors responsible for the generation of eating disorders, the role played by psychosocial aspects, as well as the role of biological agents, clinical and therapeutic issues and epidemiology of these disorders have been focused in this text.

Psychiatry



Willey Campbell

ISBN: 978-1-63241-346-8
\$90.00 US
Year 2015
Book Size: 6"x9"
193pp./Colored
Hardback

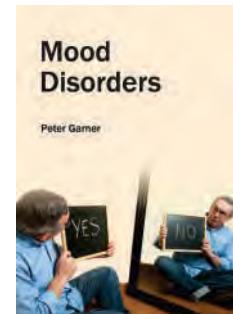
Schizophrenia in Modern World

A detailed account based on the serious disorder of schizophrenia has been presented in this profound book. Widely discussed but little understood, Schizophrenia is a group of seriously disabling mental disorders. While the primary basis of diagnosis were hallucinations and delusions (considered positive symptoms), factors like impairments of memory and attentional processing (cognitive symptoms), have also gained prominence in neuropsychiatry. This text presents the current discoveries related to this severe group of disorders. We are still far from achieving definite remedial methods against this serious disorder, specifically for cognitive indications, and are still in need of effective interventions for its prevention. This book explores the diverse avenues for therapy, study of cognitive symptoms of schizophrenia and preclinical research on animal models.

Psychiatry

Mood Disorders

This book brings forth a comprehensive overview of various aspects of mood disorders. Mood disorders are collectively referred to as a group of mental illnesses that lead to psychosocial dysfunction, disturb the balance of interpersonal relationships and lead to numerous other limitations. These are a bunch of highly serious disorders which is evident from the facts that their occurrence is nearly 5% in societies and nearly 70% of initial psychiatric application of the victims reflects that they are not well-known. Correct diagnosis may take as long as a decade, causing lingering trauma to the victims, their relatives and the whole society. Once precisely diagnosed, the correct procedure for treatment of these disorders is crucial to ensure that people can endure the period of treatment without mental discomfort. Protecting cure planning and administration in long-term treatments are important for the control of the disorder. Recurrent problems are discovered throughout the process of diagnosis, remedy and follow-ups of these disorders. Constant advancements are being sought by experts in the field, for which this book should be a handy text for reference.



Peter Garner

ISBN: 978-1-63241-281-2
\$124.95 US
Year 2015
Book Size: 6"x9"
293pp./Colored
Hardback

Psychiatry

Understanding Perinatal Depression



Larry Stone

ISBN: 978-1-63241-378-9
\$90.00 US
Year 2015
Book Size: 6"x9"
202pp./Colored
Hardback

Developmental Psychology



Romana Woods

ISBN: 978-1-63241-016-0

\$155.00 US

Year 2015

Book Size: 8.5"x11"

212pp./Colored

Hardback

Advanced Study of Child Development: Volume I

This book collates researches on Child Development. It attempts to look at parenting and child development from the period when it started to be understood as an essential component in understanding a child's psyche and helping in supporting and enhancing it. Such research is critical because the world is changing and so are our methods of parenting and our child's reactions to it. Thus, this book triggers a need to absorb new research and teaching methodologies.

Developmental Psychology



Romana Woods

ISBN: 978-1-63241-017-7

\$155.00 US

Year 2015

Book Size: 8.5"x11"

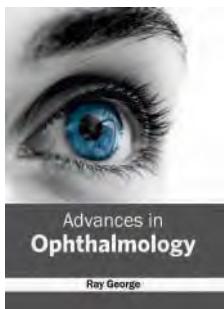
204pp./Colored

Hardback

Advanced Study of Child Development: Volume II

This book collates researches on Child Development. It attempts to look at parenting and child development from the period when it started to be understood as an essential component in understanding a child's psyche and helping in supporting and enhancing it. Such research is critical because the world is changing and so are our methods of parenting and our child's reactions to it. Thus, this book triggers a need to absorb new research and teaching methodologies.

Ophthalmology



Ray George

ISBN: 978-1-63241-030-6

\$145.95 US

Year 2015

Book Size: 6"x9"

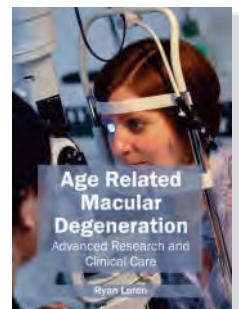
319pp./Colored

Hardback

Advances in Ophthalmology

Ophthalmology is advancing at a fast pace. This book deals with diverse features of ophthalmology - the medical discipline of analysis and management of eye diseases. It is separated into a variety of clinical sub-areas of expertise, such as cornea, cataract, glaucoma, uveitis, retina, neuro-ophthalmology, pediatric ophthalmology, oncology, pathology, and oculoplastics. This book presents innovative improvements and forthcoming viewpoints in ophthalmology. It discusses basic concepts regarding ophthalmology. It also elucidates topics related to cornea and ocular surface, refraction and refractive correction, and glaucoma. It intends to provide some fruitful information for experts and students involved in this field.

Ophthalmology



Ryan Loren

Age Related Macular Degeneration: Advanced Research and Clinical Care

This book supplies significant information regarding age-related macular degeneration and its various aspects. Age-related macular degeneration (AMD) is the foremost reason of vision loss and sightlessness in the urbanized nations. In the past few years, a huge development has been made in comprehending the pathobiology and genetics of this blinding disorder, as well as in finding new techniques for its healing. These include the detection of quite a few genes that are linked with the danger of AMD, new anti-VEGF approaches for wet AMD, and original imaging approaches to identify and observe AMD. This book is a compilation of data and researches accomplished by experts around the globe which will be beneficial to its readers.

ISBN: 978-1-63241-034-4

\$145.95 US

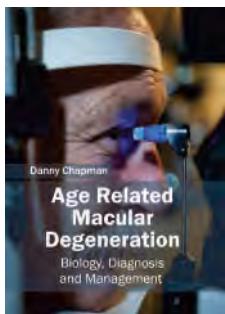
Year 2015

Book Size: 6"x9"

312pp./Colored

Hardback

Ophthalmology



Danny Chapman

ISBN: 978-1-63241-035-1
\$90.00 US
Year 2015
Book Size: 6"x9"
201pp./Colored
Hardback

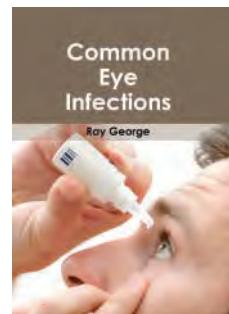
Age Related Macular Degeneration: Biology, Diagnosis and Management

The biology, management and diagnosis of age-related macular degeneration (AMD) are elucidated in this pioneering book. Age-related macular degeneration is the main reason of incurable central vision loss in developed countries. There have been fast advancements of therapies that today can halt or even reverse aspects of vision loss resulting from AMD among those most critically influenced, and there is hope of future therapies that may even restrict vision loss. This book presents an overview about AMD; an update on the present understanding of AMD, pathophysiology, the usage of diagnostic tests, the management of both non-neovascular and neovascular AMD along with future directions in treatment and its limitations. It also keeps an eye on the future with potential treatment alternatives that are currently under examination in clinical trials.

Ophthalmology

Common Eye Infections

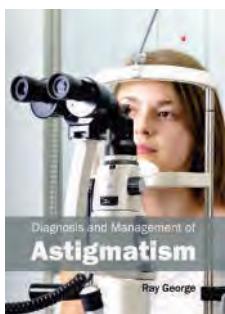
This book is a comprehensive coverage of all the common types of eye infections. Eye infections are one of the most frequently occurring infections in human beings. Hence, their treatment must be quick, appropriate and effective. Therefore, it becomes important to correctly detect and characterize the pathogenesis of the infection. The diagnosis of eye infections can be done with various methods based on microbiological tests of ocular samples. These mechanisms require biochemical analysis to appropriately characterize the infection and its culprit microorganism.



Ray George

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Book Size: 6"x9"
256pp./Colored
Hardback

Ophthalmology



Ray George

ISBN: 978-1-63241-107-5
\$145.95 US
Year 2015
Book Size: 6"x9"
321pp./Colored
Hardback

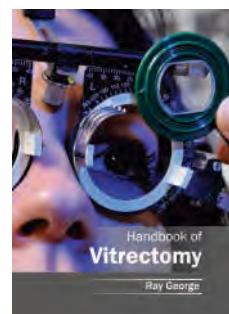
Diagnosis and Management of Astigmatism

This book discusses various aspects of astigmatism. In the past few years, major advancements have been made in the field of astigmatism. This book explores the growth, optics and composition of astigmatism and places this knowledge in the perspective of current management of this form of refractive fault. The objective of this book is to help specialists dealing with astigmatism to comprehend its manifestations and its treatment through optical and surgical strategies. We intend to help our readers understand the defect thoroughly and use it in their respective researches.

Ophthalmology

Handbook of Vitrectomy

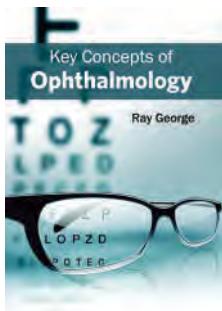
Vitrectomy is the surgical operational technique used for the removal of the vitreous humour from the eyeball. This book provides a systematic and descriptive introduction to the fundamental theory, current developments and surgical methods in vitrectomy. It highlights vitreoretinal surgical indications and contraindications, operating and surgical methodologies, problems associated with surgery along with their preventive measures, post-operation assessment and prognosis. The book is of rich practical and scientific significance and contains sufficient content on various aspects of vitrectomy. The aim of this book is to serve as a good source of reference for ophthalmologists, especially vitreoretinal surgeons and researchers.



Ray George

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\$84.95 US
Year 2015
Book Size: 6"x9"
107pp./Colored
Hardback

Ophthalmology



Ray George

ISBN: 978-1-63241-273-7
\$124.95 US
Year 2015
Book Size: 6"x9"
278pp./Colored
Hardback

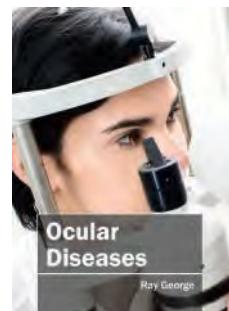
Key Concepts of Ophthalmology

Eye diseases are very common. This book deals with diverse features of ophthalmology - the medical discipline of analysis and management of eye diseases. It is separated into a variety of clinical sub-areas of expertise, such as cornea, cataract, glaucoma, uveitis, retina, neuro-ophthalmology, pediatric ophthalmology, oncology, pathology, and oculoplastics. This book presents innovative improvements and forthcoming viewpoints in ophthalmology. This book includes an analysis of various issues related to retina, vitreous, eye plastics and orbital disorders. It intends to provide some fruitful information for experts and students involved in this field.

Ophthalmology

Ocular Diseases

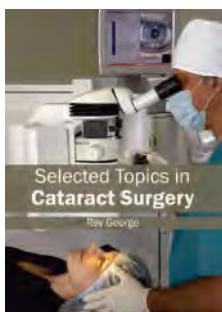
Ocular diseases are common in today's world. This book will provide the reader with an improved and practical understanding of the knowledge behind eye diseases and its treatment strategies. Contributors to this book are some of the world's leading experts in this major area of interest, and they have provided insights into aspects of ophthalmology. Its exclusive combination of fundamental science and medical applications will serve as a medical guide in comprehending the reason behind, and management of ocular diseases.



Ray George

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\$90.00 US
Year 2015
Book Size: 6"x9"
197pp./Colored
Hardback

Ophthalmology



Ray George

ISBN: 978-1-63241-351-2
\$159.00 US
Year 2015
Book Size: 6"x9"
447pp./Colored
Hardback

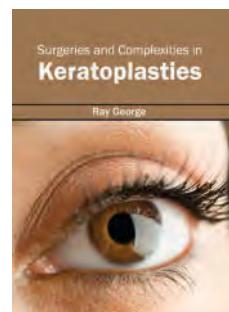
Selected Topics in Cataract Surgery

This book provides information regarding the selected topics related to the field of cataract surgery. Cataract is one of the most common causes of blindness among people and is conventionally treated with surgery. This book has been compiled with the contributions of international experts discussing about fundamentals of the subject and intensive description of some essential topics related to cataract. Some of the topics discussed in the book are: preoperative measures, cataract surgery and its history, common complications and surgeries in special situation. This is an innovative, comprehensive and impactful read on various facets of cataract and cataract surgery. This book is not just for the doctors and researchers but also for general readers who are interested in reading about cataract.

Ophthalmology

Surgeries and Complexities in Keratoplasties

Keratoplasty is basically described as a surgery carried out on the cornea, especially corneal transplantation. This book provides various therapeutic and surgical methods for treating different corneal pathologies. It is a convenient resource for all readers and reduces significant amount of time and effort required for investment in research. This book caters to the students and specialists associated with the field of corneal transplantation, providing authentic information on treatment of corneal diseases using conductive keratoplasty as an essential tool.



Ray George

ISBN: 978-1-63241-362-8
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Book Size: 6"x9"
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Dentistry



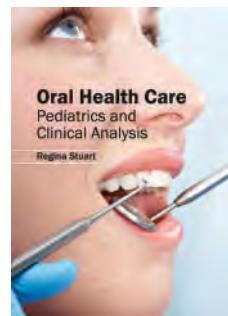
Regina Stuart

ISBN: 978-1-63241-306-2
\$155.00 US
Year 2015
Book Size: 6"x9"
387pp./Colored
Hardback

Oral Health Care Handbook

This is an all-inclusive book which provides a descriptive account regarding the field of oral health care. It encompasses a broad spectrum of topics including elucidative information regarding the fields of prosthodontics, gerodontics, periodontics, etc. It also discusses topics like oral biology and research in oral health. Gerodontics is the branch of dental care which deals with the dental care of the aged, while Prosthodontics is the dental specialty pertaining to the branch of dentistry concerned with the manufacture, design, and fitting of artificial replacements for teeth and other parts of the mouth. Periodontology, also known as Periodontics, is the branch of dentistry concerned with the structures surrounding and supporting the teeth.

Dentistry



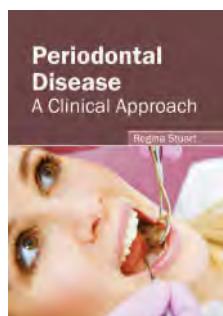
Regina Stuart

ISBN: 978-1-63241-307-9
\$145.95 US
Year 2015
Book Size: 6"x9"
316pp./Colored
Hardback

Oral Health Care: Pediatrics and Clinical Analysis

This book deals with oral health care and its application in clinical and pediatric dentistry. Oral health care in pediatric dentistry is concerned with the entire oral health, covering preventive aspects for children right from their birth to adolescence, including all the spheres of dental care along with several distinct specialties. It also covers planning of a preventive program at individual and community levels. The recent research interests in oral health care encompass analyses about the role of tissue culture, stem cells, and other ground-breaking technologies available to the scientific community along with the conventional fields like physiology, anatomy, and pharmaceuticals, etc. of the oral cavity. Public health and epidemiology in oral health care is about the checking of the general oral health of a community, basic afflictions they are suffering from, and an all-inclusive approach for care and correction of the same.

Dentistry



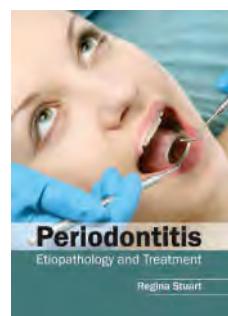
Regina Stuart

ISBN: 978-1-63241-318-5
\$155.00 US
Year 2015
Book Size: 6"x9"
383pp./Colored
Hardback

Periodontal Disease: A Clinical Approach

A clinical approach towards periodontal disease has been described in this up-to-date book. The aim of this book is to cater to modern practitioners as well as students and educators in the field of periodontology. An elucidation of the contemporary concepts illustrating the complex interactions of multiple genotypes, microbial fingerprint and host modulations has been presented in this book. Furthermore, an analysis of the clinical outcome of the disease's progression, as influenced by the epigenetic factors, has been provided. This elucidative book also provides in-depth explanations of the rising concepts on periodontitis as a bilateral modulating factor and as a risk factor for several systemic diseases.

Dentistry



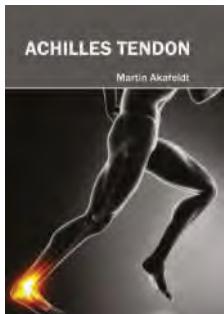
Regina Stuart

ISBN: 978-1-63241-319-2
\$115.00 US
Year 2015
Book Size: 6"x9"
212pp./Colored
Hardback

Periodontitis: Etiopathology and Treatment

Pathogenesis and treatment of periodontitis consists of extensive reviews on etiopathogenic factors of periodontal tissue destruction that is associated with microbial dental plaque and the host response elements. This book discusses the modalities of adjunctive treatment. Some of the major issues presented are microbial pathogenic factors of *P. gingivalis*, the relationship between metabolic syndrome and periodontal disease, management of open gingival embrasures, and laser application in periodontal treatment.

Orthopedics, Physical Medicine and Rehabilitation



Martin Akafeldt

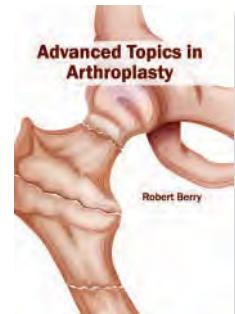
ISBN: 978-1-63241-006-1
\$90.00 US
Year 2015
Book Size: 6"x9"
155pp./Colored
Hardback

Achilles Tendon

This book is a well-structured and critically acclaimed resource with a comprehensive eye on Achilles tendon. Achilles tendon has consistently drawn great attention. Its disorders are comprised of many problems from pain and swelling with bumps to functional impairment and occasional ruptures. Discussions regarding etiology and optimal treatment are still persistent. Much effort and research has already been put in to discover the answers to unsolved questions and this book is an effort to share a few of these discoveries to its readers.

Orthopedics, Physical Medicine and Rehabilitation

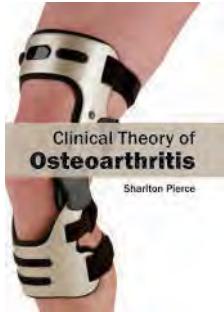
Advanced Topics in Arthroplasty



Robert Berry

ISBN: 978-1-63241-020-7
\$115.00 US
Year 2015
Book Size: 6"x9"
237pp./Colored
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Orthopedics, Physical Medicine and Rehabilitation



Sharlton Pierce

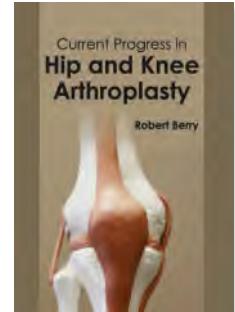
ISBN: 978-1-63241-090-0
\$145.95 US
Year 2015
Book Size: 6"x9"
346pp./Colored
Hardback

Clinical Theory of Osteoarthritis

The book elucidates the nature of the most common form of arthritis in humans. If osteoarthritis is certain, it is extremely important to facilitate its diagnosis, prevention, indications and options for treatment. Development in comprehending this disease has taken place with recognition that it is not simply a degenerative joint disease. Causative factors, like ligamentous abnormalities, malalignment, overuse, and biomechanical and metabolic factors have been identified as responsible for intervention. The diagnosis of this disease is based on recognition of overdevelopment of bone at joint margins. This contrasts with overdevelopment of bone at vertebral margins, which is not a symptomatic phenomenon and has been renamed spondylosis deformans. Osteoarthritis is described as an abnormality of joints, but the severity does not certainly produce pain. Therefore, the sections include overview of osteoporosis, imaging, biomechanics and genetics.

Orthopedics, Physical Medicine and Rehabilitation

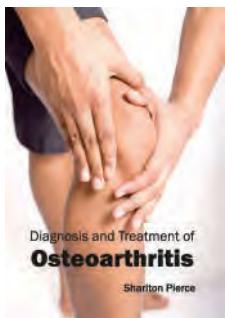
Current Progress in Hip and Knee Arthroplasty



Robert Berry

ISBN: 978-1-63241-103-7
\$124.95 US
Year 2015
Book Size: 6"x9"
265pp./Colored
Hardback

Orthopedics, Physical Medicine and Rehabilitation



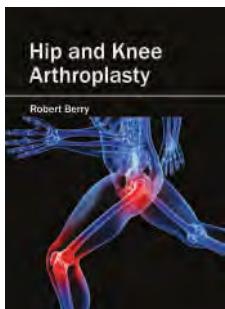
Sharlton Pierce

ISBN: 978-1-63241-111-2
\$159.00 US
Year 2015
Book Size: 6"x9"
419pp./Colored
Hardback

Diagnosis and Treatment of Osteoarthritis

Degradation of the joints is medically termed as osteoarthritis. Millions of people across the globe are affected by the extremely debilitating disease of osteoarthritis (OA). No disease modifying drug approved by FDA is currently available for this disease in particular. Surgery continues to be an efficient final solution to restore the function of the joints. The increase in the amount of aging populations across the world over the past few years has consequently increased the number of OA patients significantly with estimations of further increase in the near future. This book presents latest developments in diagnosis, treatment and surgery of OA, covering a broad spectrum of topics like alternative medicine and cutting edge gene therapy. Integrative approaches are required for formulation of new and efficient therapies to cure OA in the future. Various surgical methodologies have been elucidated in this book for the restoration of the function of the joints. Also, several treatment options have been discussed, in order to decrease the pain and improve the quality of life of the OA patients.

Orthopedics, Physical Medicine and Rehabilitation



Robert Berry

ISBN: 978-1-63241-251-5
\$115.00 US
Year 2015
Book Size: 6"x9"
212pp./Colored
Hardback

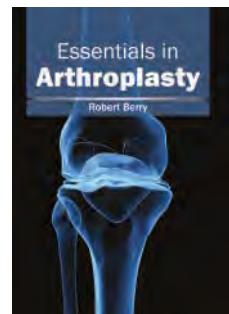
Hip and Knee Arthroplasty

This book brings forth an extensive look at the recent advances in the most performed arthroplasties of large joints of lower parts. The remedial choices in degenerative joint ailments have progressed very quickly. Various surgical methods are available, as opposed to yesteryears. Trying to be exhaustive, this book takes up hip arthroplasty with particular accent on advancing minimally invasive surgical procedures. Some difficult subjects have also been discussed. This book would serve as an important source of reference for those interested in the field.

Orthopedics, Physical Medicine and Rehabilitation

Essentials in Arthroplasty

This book is a sequel of all the successful volumes dedicated to one of the rapidly progressing fields in orthopedics - arthroplasty. The method of enhancing care for patients and standards of treatment requires straightforward approach. Novel technologies, advancements in implant design and developments in surgical technique have better results after joint substitution and have led to a declined rate of difficulties. It is no surprise that the number of arthroplasties grows constantly every year; and nowadays, more than one million people go through the procedure annually worldwide. Focusing at dissemination of scientific research this book offers a thorough sketch of the current advancement of technology and surgical techniques. Novel advancements of implant design and current treatment strategies have also been analytically examined by the contributing authors. Also, the result of arthroplasty by etiology is analyzed. This book is a valuable source of reference for students and practitioners.



Robert Berry

ISBN: 978-1-63241-218-8
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Year 2015
Book Size: 6"x9"
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Orthopedics, Physical Medicine and Rehabilitation

Integrated Reviews in Regional Arthroscopy

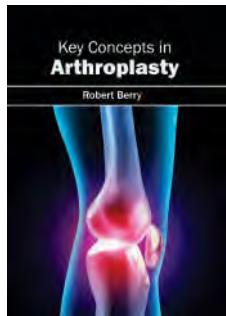
This book presents latest research and study outcomes on regional arthroscopy. Arthroscopy has gradually emerged as the most commonly performed musculoskeletal procedure. It has proven to be beneficial in reduction of morbidity and eliminating the need for hospitalization in many cases. The procedure was first started with knee surgeries and even today most arthroscopic procedures are performed in knee. Nevertheless, arthroscopic surgeries conducted in other parts have also proven to be equally successful such as surgeries of subtalar joint and temporomandibular joint. They are gradually becoming popular and this book describes the approaches used by experts in their respective fields. This book includes contributions of experts in the field of arthroscopy. It covers topics on subtalar joint, wrist, knee, shoulder, lumbar spine, ankle and temporomandibular joint. The book emphasizes on delivering key surgical points that will help ensure that the experience of readers in learning about this operative technique remains smooth.



Robert Berry

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Orthopedics, Physical Medicine and Rehabilitation



Robert Berry

ISBN: 978-1-63241-272-0

\$115.00 US

Year 2015

Book Size: 6"x9"

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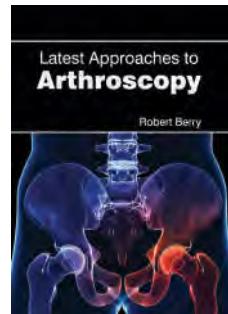
Hardback

Key Concepts in Arthroplasty

Essential concepts of arthroplasty have been vividly presented in this book. Success of Sir Charnley's total hip arthroplasty has inspired many researchers to study this subject in detail and analyze its various aspects. Arthroplasty basically deals with joints of upper extremity and spine. However, any foreign design brought to the human body could lead to complications. The book discusses the topic of infections which includes complete analysis, detailed description and management of this difficult condition.

Orthopedics, Physical Medicine and Rehabilitation

Latest Approaches to Arthroscopy



Robert Berry

ISBN: 978-1-63241-276-8

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Year 2015

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Hardback

Orthopedics, Physical Medicine and Rehabilitation



Newman Wagner

ISBN: 978-1-63241-282-9

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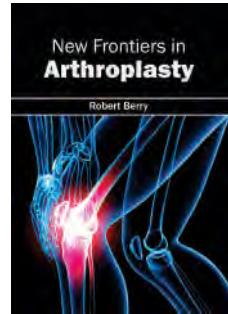
Hardback

Musculoskeletal Disorders

Work atmosphere has experienced accelerated transitions in the past few years. Hence, work-related musculoskeletal disorders have become an important issue around the world. Susceptibility to strained postures, visual strain, and mental and physical tensions has heightened because of large number of employees being bound to man-machine systems. Many clinicians and researchers from distinct professions and countries have contributed their work on different facets of musculoskeletal disorders in this book.

Orthopedics, Physical Medicine and Rehabilitation

New Frontiers in Arthroplasty



Robert Berry

ISBN: 978-1-63241-290-4

\$159.00 US

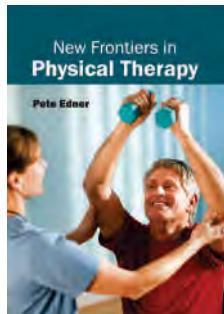
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Orthopedics, Physical Medicine and Rehabilitation



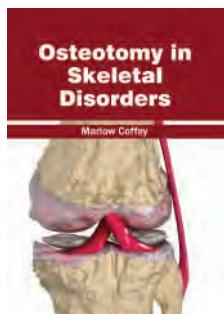
Pete Edner

ISBN: 978-1-63241-293-5
\$155.00 US
Year 2015
Book Size: 6"x9"
401pp./Colored
Hardback

New Frontiers in Physical Therapy

Physical therapy or physiotherapy holds a position of great importance in various medical fields both as a primary as well as an assistive practice. This book has been compiled of novel information on physical therapy research and clinical approaches that are being undertaken in several medical conditions. Specific and specialist exercises for the treatment of scoliosis and spinal deformities in infants as well as adolescents; biomechanical and musculoskeletal conditions as well as the impact of psychological factors, body awareness and relaxation methodologies; novel thermal agents; and various types of physical therapy interventions have been introduced for the aged both in clinical as well as domestic setups. Furthermore, research on physical therapy interventions for patients suffering from cardiovascular, respiratory disorders and stroke currently being carried out and novel concepts of wheelchair design being put to use have been presented in the book.

Orthopedics, Physical Medicine and Rehabilitation



Marlow Coffey

ISBN: 978-1-63241-310-9
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306pp./Colored
Hardback

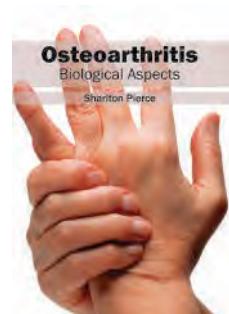
Osteotomy in Skeletal Disorders

Osteotomy is a significant procedure in the medical sphere. This book presents precise osteotomy methods from the skull to the hallux. The role of osteotomy in the improvement of skeletal disorders is undervalued in part because of the pervasive nature of joint replacement surgical procedure. Osteotomy has a part to play in the rectification of disorders in children, young adults, and patients of any age suffering from disorders due to traumatic incidents. This book is a compilation of several researches accomplished by researchers around the globe where osteotomy has proved to be an effective and lasting solution.

Orthopedics, Physical Medicine and Rehabilitation

Osteoarthritis: Biological Aspects

Osteoarthritis is described as an abnormality of joints, but the severity does not certainly produce pain. The book elucidates the nature of the most common form of arthritis in humans. The sections focus on metabolic and cellular aspects of Osteoarthritis. If osteoarthritis is certain, it is extremely important to facilitate its diagnosis, prevention, indications and options for treatment. Development in comprehending this disease has taken place with recognition that it is not simply a degenerative joint disease. Causative factors, like ligamentous abnormalities, malalignment, overuse, and biomechanical and metabolic factors have been identified as responsible for intervention. The diagnosis of this disease is based on recognition of overdevelopment of bone at joint margins.



Sharlton Pierce

ISBN: 978-1-63241-309-3
\$124.95 US
Year 2015
Book Size: 6"x9"
268pp./Colored
Hardback

Orthopedics, Physical Medicine and Rehabilitation

Sports and Exercise Medicine

A descriptive account on novel areas of current knowledge in the vast field of sports and exercise medicine has been provided in this insightful book. Experts from across the world have contributed in this book. It discusses the physiology behind sports injuries and describes novel and intriguing approaches to manage such injuries. It also explores the relation between health, performance and exercise by elucidating novel information in areas such as the use of iron supplementation for performance, exercise and immunity, impacts of exercise on reactive oxygen species, and the proposed advantages of authentic and simulated altitude training. It is a well-researched and comprehensive book which will serve as a valuable source of information for physiologists, physical conditioners, sports medicine specialists, coaches, students and physiotherapists.

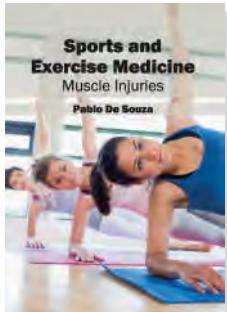


Pablo De Souza

ISBN: 978-1-63241-356-7
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238pp./Colored
Hardback

Medical Science

Orthopedics, Physical Medicine and Rehabilitation



Pablo De Souza

ISBN: 978-1-63241-357-4
\$145.95 US
Year 2015
Book Size: 6"x9"
332pp./Colored
Hardback

Sports and Exercise Medicine: Muscle Injuries

This insightful book on common injuries in the domain of sports medicine provides updated information to readers. A very common pathology in sports and a leading cause of sport activity suspension is muscle tear. This book is aimed at presenting a review on the current knowledge available on muscle tears in athletes, specifically regarding the biology of muscle healing, both traditional and modern surgical treatments as well as preventive measures. This book will be a valuable resource for sports medicine practitioners including physicians, physiotherapists and fitness coaches.

Orthopedics, Physical Medicine and Rehabilitation

Sports Medicine and Sports Injury

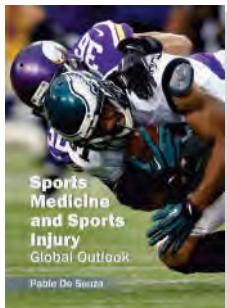
This book is dedicated to the recent findings and emerging concepts of sports medicine. For the last several years, sports medication has been a growing discipline in USA and Western Europe. Immense strides have been made in comprehending the fundamental functioning of work outs, power utilization and the mechanisms of sports damage. Furthermore, a development in minimally invasive surgeries and physical rehabilitation has led to athletes returning to their respective sport quickly after injuries. This book presents some latest information from experts on the physiology of work out and sports routine, and updates on medical disorders treated in athletes.



Pablo De Souza

ISBN: 978-1-63241-358-1
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Orthopedics, Physical Medicine and Rehabilitation



Pablo De Souza

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\$115.00 US
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Book Size: 6"x9"
240pp./Colored
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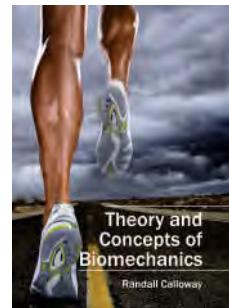
Sports Medicine and Sports Injury: Global Outlook

This book is dedicated to the recent findings and emerging concepts of sports medicine. For the last several years, sports medication has been a growing discipline in USA and Western Europe. Immense strides have been made in comprehending the fundamental functioning of work outs, power utilization and the mechanisms of sports damage. Furthermore, a development in minimally invasive surgeries and physical rehabilitation has led to athletes returning to their respective sport quickly after injuries. This book presents some latest information from experts on the physiology of work out and sports routine, and updates on medical disorders treated in athletes.

Orthopedics, Physical Medicine and Rehabilitation

Theory and Concepts of Biomechanics

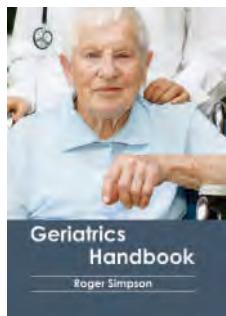
In the past few years, there has been an increasing awareness that issues emerging from biology or medicine require an interdisciplinary approach. Hence, certain forms of mathematics and applied physics have arisen; like biomechanics, mathematical biology and mechanobiology among others. This book discusses some general topics regarding biomechanics and mechanobiology, inclusive of theoretical contributions which provide explanations for certain aspects that experiments or clinical studies are unable to do. The book also discusses biomechanical modeling, a speedily growing field of biomechanical models and modeling methods utilized to increase the comprehension of various procedures occurring in the human body. Finally, this book also considers locomotion and joint biomechanics, which describe and analyze human movement, and the stability of the joints.



Randall Calloway

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Ageing



Roger Simpson

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246pp./Colored
Hardback

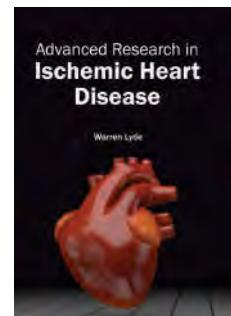
Geriatrics Handbook

Geriatrics deals with the health care of elderly people. As the life expectancy of baby boomer generation has now gone up to 65 years, the focus of medical areas has shifted towards the issues of providing this population of geriatrics individuals with proper resources. Geriatric health care is complex by structure, inclusive of medical, educational, social, cultural, religious and economic aspects. This book presents a complicated interplay of these factors in the growth, organization and therapy of geriatric patients, starting with an analysis of sarcopenia, cognitive decline and dysphagia as the pivotal aspects of frailty syndrome. The book also sheds light on the schemes required to increase life expectancy, and quality of lifestyle, like exercise, nutrition and immunization, as well as the effect of physical, psychological and socio-cultural changes in old people. It also provides an analysis of problems related to the death of diseased people, including the advocacy by diseased and their families for extra sensitive care, their reactions towards autonomy and legal tools, and the expense of novel health care instruments and supply.

Cardiology

Advanced Research in Ischemic Heart Disease

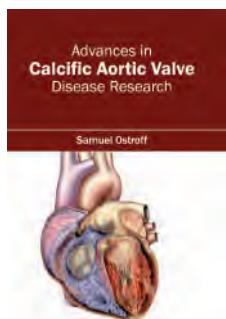
This book encompasses clinical aspects of the management and diagnosis of ischemic heart disease. Ischemic heart disease continues to be a fatal disease with its prevalence across the globe. This book provides an elaborative analysis of ischemic heart disease, including epidemiology, pathogenesis, and diagnostic tests. The aim of this book is to serve as a cutting-edge source of information for the clinical or general researcher, and any clinician involved in the management and diagnosis of this disease. It is basically formulated to fill the vital gap present between these practices and to present a great amalgamation of "fundamentals to bedside and beyond" in the field of ischemic heart disease.



Warren Lyde

ISBN: 978-1-63241-013-9
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198pp./Colored
Hardback

Cardiology



Samuel Ostroff

ISBN: 978-1-63241-025-2
\$115.00 US
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237pp./Colored
Hardback

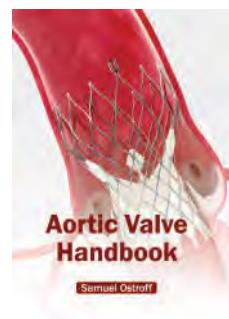
Advances in Calcific Aortic Valve Disease Research

Calcific aortic valve disease (CAVD) is one of the most common forms of valve disease. It has become the most widespread cardiac valve disease in the economically advanced nations. Population ageing is one of the major reasons for this increasing rate. There is no definite treatment which may slow down the disease progression; valve replacement is the only adequate treatment. This book provides comprehensive information on bicuspid aortic valve (BAV) disease and discusses various therapeutic measures. This book will facilitate people to know about CAVD and other aspects concerning valve biology. It also emphasizes on the prospective chances of curbing the disease from rising in future.

Cardiology

Aortic Valve Handbook

This book is a compilation of researches conducted by experts regarding various aspects of aortic valve. In the past few decades, new information has emerged on the aortic valve, particularly on its management. This book covers fundamental science, general consideration of aortic valve disorders, infective endocarditis, aortic sclerosis and stenosis, and anomalies of the aortic valve. This text has numerous chapters dealing with the common characteristics of aortic valve disease. This book will be helpful for cardiologists and cardiovascular experts and students.



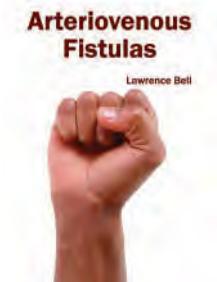
Samuel Ostroff

ISBN: 978-1-63241-048-1
\$155.00 US
Year 2015
Book Size: 6"x9"
365pp./Colored
Hardback

Cardiology

Arteriovenous Fistulas

Lawrence Bell



Lawrence Bell

ISBN: 978-1-63241-049-8

\$115.00 US

Year 2015

Book Size: 6"x9"

209pp./Colored

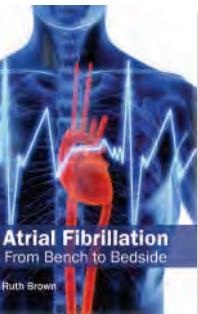
Hardback

Arteriovenous Fistulas

This book provides an elucidative account on the applications of arteriovenous fistulas. They are shunts between arteries and veins that can be seen in several organs of the human body like the brain, skin, eye and lung. They have a potential to be symptomatic by causing ischemia, using the process of steal phenomenon, or vascular congestion and consequent hemorrhage; for instance, intracerebral hemorrhage of a ruptured dural arteriovenous fistula. The etiology of these lesions is not completely understood. While some of these are congenital; others are acquired. Additionally, iatrogenic arteriovenous fistulas can be lifesaving in many cases, like in hemodialysis patients. This book offers a vivid and concise outlook on the diagnosis and management of arteriovenous fistulas all over the human body. It should be a valuable resource for medical students, residents, fellows, professors and researchers involved in this field.

Cardiology

Atrial Fibrillation: From Bench to Bedside



Ruth Brown

ISBN: 978-1-63241-050-4

\$115.00 US

Year 2015

Book Size: 6"x9"

245pp./Colored

Hardback

Cardiology

Atrial Septal Defect: A Complete Assessment

Atrial Septal Defect A Complete Assessment

Samuel Ostroff



Samuel Ostroff

ISBN: 978-1-63241-051-1

\$115.00 US

Year 2015

Book Size: 6"x9"

195pp./Colored

Hardback

This book presents a broad overview on major aspects associated with Atrial Septal Defects (ASDs), which have now become frequent in children as well as in adults. However, their etiology is still largely unknown. Recent evidences of increasing prevalence of ASD may be related use of color Doppler echocardiography. While this book majorly talks about closure of ASDs, there is a special emphasis on the method of creating atrial defects in the fetus with hypoplastic left heart syndrome. Hopefully, this book will present a detailed account of requisite information to physicians caring for infants, children, adults and elderly with ASD which will aid them in providing the best possible care for their patients.

Cardiology

Calcific Aortic Valve Disease

Calcific Aortic Valve Disease

Samuel Ostroff



Samuel Ostroff

ISBN: 978-1-63241-072-6

\$145.95 US

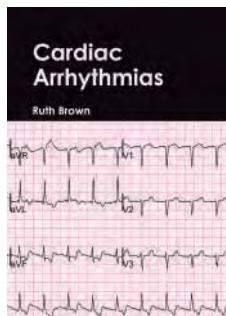
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Book Size: 6"x9"

310pp./Colored

Hardback

Cardiology



Ruth Brown

ISBN: 978-1-63241-075-7
\$145.95 US
Year 2015
Book Size: 6"x9"
336pp./Colored
Hardback

Cardiac Arrhythmias

Cardiac arrhythmias can be life threatening at times. This book discusses the pathophysiology of cardiac arrhythmias. The close mechanisms of cardiac arrhythmias remain unidentified to experts. Genetic researches on ionic modifications, the electrocardiographic characteristics of cardiac rhythm and multiple diagnostic tests have achieved more in the last few years than in the history of cardiology. Similarly, treatments to avoid or cure such disorders are rising speedily. The book elucidates cardiac ion channels and the influence of genetics on cardiac arrhythmias. It is a compilation of several well conducted researches accomplished by experts all over the world and will provide valuable insights to its readers.

Cardiology

Cardiac Defibrillation



Ruth Brown

ISBN: 978-1-63241-076-4
\$90.00 US
Year 2015
Book Size: 6"x9"
186pp./Colored
Hardback

Cardiology



Ruth Brown

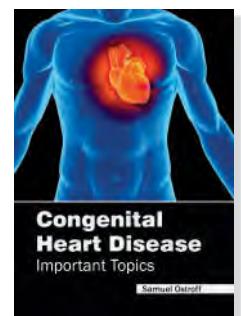
ISBN: 978-1-63241-077-1
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Book Size: 6"x9"
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Cardiac Defibrillation: Advanced Researches and Concerns

This book compiles significant researches by renowned experts. A lot of people all over the world depend on suitable, well-timed shocks from implantable cardioverter-defibrillators (ICDs) to evade sudden death due to cardiovascular malfunctions. Hence, information related to the usage, functions, and clinical importance of ICDs is very important for increasing the knowledge used to avert and control fatal cardiovascular actions. Therefore, the studies enclosed in this book will be pertinent to modern ICD usage and important in developing ICD technology. It covers various aspects related to ICDs, including defibrillator technology, avoiding and handling nearly fatal cardiovascular incidents, special cases in ICD patients, etc. This book will be beneficial for readers interested in learning more about ICDs.

Cardiology

Congenital Heart Disease – Important Topics



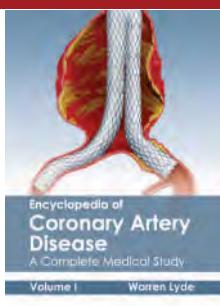
Samuel Ostroff

ISBN: 978-1-63241-095-5
\$155.00 US
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This book is a comprehensive study of congenital heart disease and it elucidates all the important topics related to it. Over the years, understanding regarding the mechanisms of cardiac functioning and anatomy of congenital heart diseases (CHD) has significantly evolved. But it has not yet advanced to a level that CHD can be cured at this time. The early identification of any heart disorder in infants, noninvasive procedures available, advanced and modern infant care equipment and transcatheter procedures are some of the progresses in this field that help in diagnosis and treatment of cardiac disorders. Treatment of cyanotic and acyanotic heart diseases with presently available techniques is safe and efficient. The utilization of staged total cao-pulmonary connection (Fontan) has drastically improved the long-term outlook of children who have one functioning ventricle. This book is a valuable source of information for doctors, practitioners and medical professionals working in this domain of medical science.

Medical Science

Cardiology



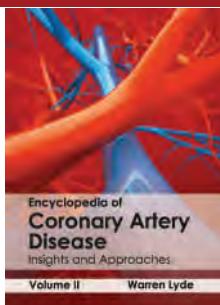
Volume I

Warren Lyde

ISBN: 978-1-63241-138-9
\$115.00 US
Year 2015
Book Size: 6"x9"
285pp./Colored
Hardback

Encyclopedia of Coronary Artery Disease: A Complete Medical Study

This book provides complete in-depth medical study of Coronary Artery Disease. Cardiovascular disease is the leading cause of mortality, taking away 17.1 million lives globally every year. Due to heart diseases, one person is dying every 34 seconds in the USA alone. However, cases of cardiovascular disease have declined in the past few years due to a better understanding of the pathology, implementation of lipid lowering therapy, better medications including low-molecular-weight heparin and antiplatelet drugs such as glycoprotein IIb/IIIa receptor inhibitors and crucial surgical intervention. The disease strain has a great financial influence on global healthcare systems and major economic consequences for world economies. The content provides contemporary understanding of coronary artery disease, its diagnostics and treatment regimens for coronary artery disease.



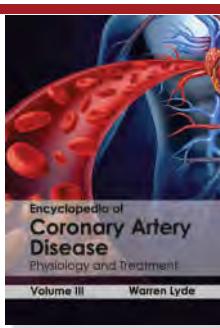
Volume II

Warren Lyde

ISBN: 978-1-63241-139-6
\$124.95 US
Year 2015
Book Size: 6"x9"
272pp./Colored
Hardback

Encyclopedia of Coronary Artery Disease: Insights and Approaches

Covering every aspect of coronary artery disease, this book brilliantly elucidates the related insights and novel approaches. Coronary artery disease is one of the principal causes of death in industrialized countries and is responsible for one out of every six deaths in the United States. However, this fatal disease is also vastly preventable. The biggest challenge in the coming years is to decrease the number of incidences of coronary artery disease worldwide. A complete knowledge of the mechanisms responsible for the pathogenesis of ischemic heart disease is important for better operation of this pathology improving treatment and therapy. This book delivers innovative concepts related to coronary artery disease pathogenesis that may connect various aspects of the disease, going beyond the traditional risk factors.



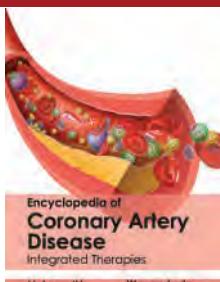
Volume III

Warren Lyde

ISBN: 978-1-63241-140-2
\$145.95 US
Year 2015
Book Size: 6"x9"
344pp./Colored
Hardback

Encyclopedia of Coronary Artery Disease: Physiology and Treatment

The physiology and treatment of coronary artery disease are highlighted in this comprehensive book. It is a compilation of the works of experts from around the world, both from developed and developing world. This book covers a wide variety of topics related to Coronary Artery Disease (CAD) since it is becoming pandemic around the globe. It is the most frequent cause of death in developed countries, causing about 1 in every 5 deaths. The death rate due to cardiovascular disease is expected to reach 23.4 million in 2030. Moreover, in developing countries, they are affecting people at a younger age and hence, could negatively affect the workforce and economic productivity. This book comprehensively describes CAD i.e. various aspects of its physiopathology, epidemiology, diagnosis and treatment. It discusses selected issues related to this intricate multifactorial disease. This book will prove helpful and valuable to the readers in clinical practices and research.



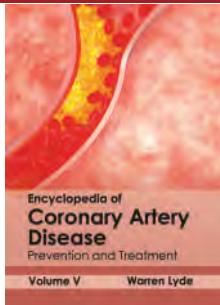
Volume IV

Warren Lyde

ISBN: 978-1-63241-141-9
\$115.00 US
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Book Size: 6"x9"
234pp./Colored
Hardback

Encyclopedia of Coronary Artery Disease: Integrated Therapies

The death rate due to ischemic heart disease has declined in current years. The improved comprehension of risk factors related to the growth of coronary artery disease has considerably contributed to this decrease. It can now be authentically claimed that computed tomography angiography (CTA) of the coronary arteries is available. In the examination of patients with suspected coronary artery disease, several guidelines today deem CTA as an alternative to stress testing. The nuclear method most commonly employed by cardiologists is myocardial perfusion imaging (MPI). Evaluating cardiac viability is now quite ordinary with these optimizations to cardiac imaging. Conventional coronary angiography displays a variety of restraints associated with content, patient safety, image acquisition and interpretation. This book contains significant information that each and every cardiologist needs to know. It contains two sections on coronary heart disease and noninvasive diagnostic approach in coronary heart disease.



Volume V

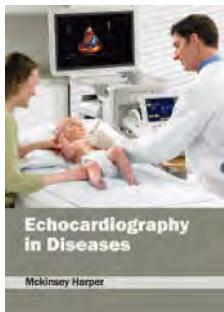
Warren Lyde

ISBN: 978-1-63241-142-6
\$115.00 US
Year 2015
Book Size: 6"x9"
254pp./Colored
Hardback

Encyclopedia of Coronary Artery Disease: Prevention and Treatment

The improved comprehension of risk factors related to the growth of coronary artery disease has considerably contributed to the decrease in the death rate of ischemic heart disease. After the introduction of imaging methodologies, the noninvasive characterization of regional function, metabolism and perfusion enabled more advanced tissue characterization to recognize changeable dysfunction with great prognostic and diagnostic accuracy. The nuclear method most commonly employed by cardiologists is myocardial perfusion imaging (MPI). The organization of CTA with a nuclear camera supports the achievement of cardiac function, coronary anatomy and MPI from a single piece of equipment. Conventional coronary angiography displays a variety of restraints associated with content, patient safety, image acquisition and interpretation. This book contains significant information that each and every cardiologist needs to know. It covers treatment and prevention of the disease by examining an invasive and interventional approach.

Cardiology



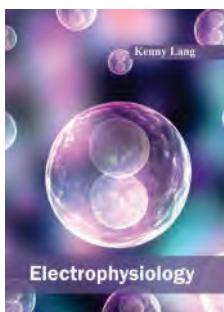
McKinsey Harper

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\$90.00 US
Year 2015
Book Size: 6"x9"
171pp./Colored
Hardback

Echocardiography in Diseases

The book offers an in-depth look at echocardiography, elucidating its role in diseases. It is a compilation of research works by international researchers; some of them specializing in imaging science in their clinical orientation, and others, representatives from academic medical centers. The book has been structured and written with such simplicity that it will be understandable to readers with basic knowledge of echocardiography and will also be stimulating and informative to experts and researchers in the field of echocardiography. This book targets readers involved in cardiology during their basic echocardiography rotation, internal medicine, radiology and emergency medicine and also to specialists in echocardiography. During the past few decades, technological advancements in echocardiography have evolved rapidly, leading to improved echocardiographic imaging using new techniques. The role of echocardiography in several special pathologies has also been discussed by several authors in the book.

Cardiology



Kenny Lang

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Book Size: 6"x9"
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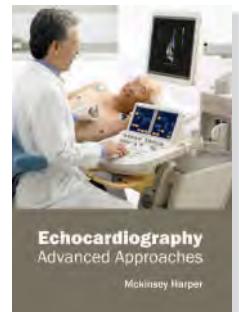
Electrophysiology

This book introduces the readers to the field of electrophysiology. The exceptional progress of recording techniques paved way for a better understanding of electrophysiological phenomena within the human organs, including cardiovascular, ophthalmologic and neural systems. The introduction of several sophisticated recording and mapping techniques in the field of cardiac electrophysiology made it possible to describe the mechanism of various cardiac arrhythmias. This has even led to the development of techniques to ablate and cure most complex cardiac arrhythmias. However, there is still a long way ahead and this book will be a valuable addition to the contemporary knowledge in subjects related to bioelectricity from plants to the human heart.

Cardiology

Echocardiography: Advanced Approaches

Echocardiography is basically defined as a sonogram of heart. This book is a compilation of research works by international researchers; some of them specializing in imaging science in their clinical orientation, and others, representatives from academic medical centers. The book has been structured and written with such simplicity that it will be understandable to readers with basic knowledge of echocardiography and will also be stimulating and informative to experts and researchers in the field of echo-cardiography. This book targets readers involved in cardiology during their basic echocardiography rotation, internal medicine, radiology and emergency medicine and also to specialists in echo-cardiography. Over the last few decades, the rate of technological developments has grown exceptionally, resulting in new techniques and improved echo-cardiographic imaging. The authors of this book have emphasized on presenting the most advanced techniques useful in today's research and in daily clinical practice. These advanced techniques are applied in the detection of different cardiac pathologies in patients contributing to their clinical decisions, follow-up and outcome predictions. Along with the advanced techniques, this book explicates several special pathologies with respect to the functions of echocardiography.



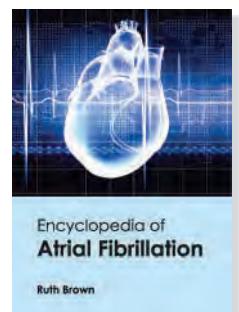
McKinsey Harper

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Cardiology

Encyclopedia of Atrial Fibrillation

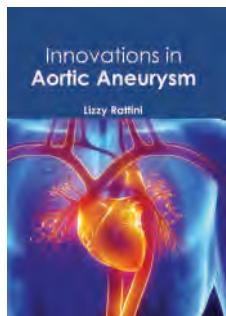
Atrial Fibrillation; a common heart disorder, is the focus of this book. The book is intended to give a complete evaluation and introduction of Atrial Fibrillation. This book contains several chapters divided into distinct parts according to its respective functions. It explains the fundamental mechanisms of initiation and maintenance of atrial fibrillation. Then, it discusses mapping of atrial fibrillation and new techniques of signal detection. Clinical prognostic and remodeling is also revised thoroughly within the book. Furthermore, it describes universal evaluations of catheter-based/surgical dealing and treatment of the disorder. Finally, it deals with atrial fibrillation in precise situation and its difficulties.



Ruth Brown

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Cardiology



Lizzy Rattini

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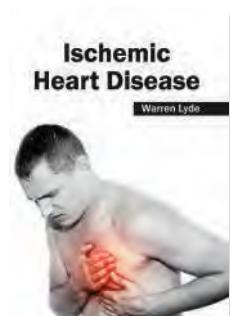
Innovations in Aortic Aneurysm

This book presents a unique overview of latest developments towards the growth of aortic aneurysm. An abnormal enlargement of the aorta is referred to aortic aneurysm. There has been a witnessed increase in aortic aneurysm occurrence, despite significant developments in surgical interventions. Therefore, several researchers have been trying to gain a better understanding of the aortic aneurysm pathogenesis for facilitating an early diagnosis, recognizing novel therapeutic targets, and formulating complex therapies. In this book, the readers will find interesting information regarding etiology, risk factors, and pathogenesis of aortic aneurysm, its manifestations in young age, characteristics of aneurysms influencing visceral arteries, preoperative evaluation of patients, various aspects of surgical therapy, including the treatment of complications after surgery, original proposals regarding novel therapeutic modalities, and latest imaging strategies. The multidisciplinary team of authors has contributed an interesting and up-to-date scientific literature on aortic aneurysm.

Cardiology

Ischemic Heart Disease

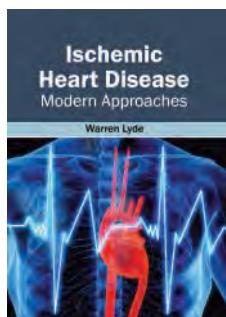
This book provides important research update on ischemic heart disease. The disease has a huge financial effect on global healthcare systems and extensive economic consequences for world economics. Cardiovascular disease (CVD) is ranked as the primary reason for death across the globe, responsible for 17.1 million deaths every year. Such numerical values are generally not easy to understand and a coronary even occurs every 25 seconds and CVD kills one person every 34 seconds, and 35 people under 65 years of age die prematurely each day because of this disease. However, due to enhanced drug regimens, implementation of lipid lowering therapy and advances in acute surgical intervention the incidence of this disease has decreased in recent years. This book reviews the development, diagnosis, risk factors, treatment and epidemiology of this disease.



Warren Lyde

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Cardiology



Warren Lyde

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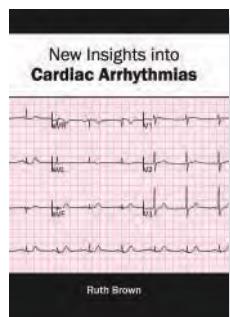
Ischemic Heart Disease: Modern Approaches

This book offers an extensive analysis of ischemic heart disease, including treatment, prognosis, risk factors, clinical presentation, differential diagnosis and complications. The recent treatment options, protocols as well as diagnostic processes, along with the modern developments in the field are also highlighted in this book. The aim of this book is to serve as a cutting-edge source of information for the clinical or general researcher, and any clinicians involved in the management and diagnosis of this disease. It is formulated to fill the vital gap in the present practices, to serve as a textbook which is significant and to present a great amalgamation of "fundamentals to bedside and beyond" in the field of ischemic heart disease.

Cardiology

New Insights into Cardiac Arrhythmias

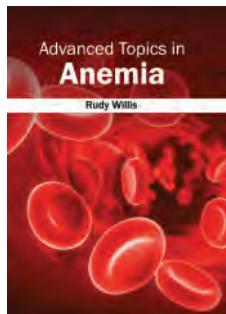
Irregular heartbeat or cardiac arrhythmias is a severe medical condition. The close mechanisms of cardiac arrhythmias remain unidentified to experts. Genetic researches on ionic modifications, the electrocardiographic characteristics of cardiac rhythm and multiple diagnostic tests have achieved more in the last few years than in the history of cardiology. Similarly, treatments to avoid or cure such disorders are rising speedily. This book discusses uncommon heart rhythm disorders and various miscellaneous topics related to cardiac arrhythmias. It also elucidates various aspects related to cardiac electrophysiology. This book is a compilation of several well conducted researches accomplished by experts all over the world and will provide valuable insights to its readers.



Ruth Brown

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Hematology



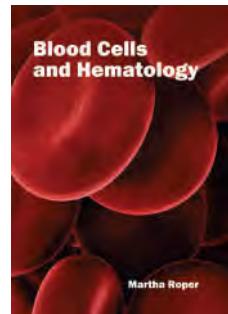
Rudy Willis

Advanced Topics in Anemia

Anemia is a common blood disorder. This book presents a complete summary of many developments in the field of anemia, including its reasons and pathogenesis, and techniques of analysis related to it. Dietary reasons of anemia, particularly in rising nations are discussed. Hence, this book gives a comprehensive summary of anemia and will be helpful for readers interested in this field.

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Hematology



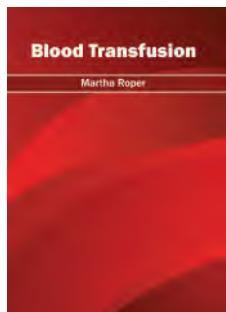
Martha Roper

Blood Cells and Hematology

The aim of this book is to provide useful information about blood cells and hematology, which is a branch of medicine dealing with the study of blood. This book is an array of research work by experts in the field of hematology and related disciplines of blood cells. It provides an overview about contemporary knowledge related to hematology. Important topics like blood cell morphology and operations, physiopathology and genetics of hematological disorders, biochemistry, blood flow etc. have been discussed in detail in this book. This book would be of great help to scientists, professionals, students and practitioners engaged in the field of hematology and blood flow. This book is suitable for those who have some knowledge of biochemistry and basic hematology.

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Hematology



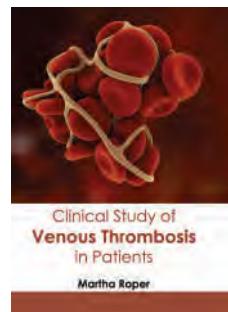
Martha Roper

Blood Transfusion

Blood transfusion is a process principally used to treat various medical conditions. This book deals with the applications of blood transfusion in diverse clinical surroundings. It discusses significant issues like the fundamental theories regarding ABO blood group system in blood transfusion, the use of transfusion in a variety of clinical surroundings, among others. It also deals with transfusion transmitted diseases, different techniques for allotransplantation and immunomodulatory effects of blood transfusion. The book covers various aspects of blood transfusion and will provide valuable information to its readers.

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Hematology



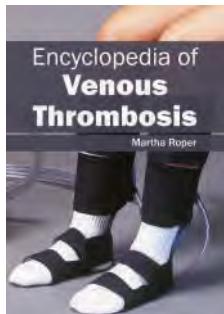
Martha Roper

Clinical Study of Venous Thrombosis in Patients

Venous Thromboembolism continues to be the primary health challenge in many countries due to the death and despair it inflicts, usually in hospitalized patients. This book consists of the writings of notable experts in the field and some of the topics it discusses are aetiologies of VTE, the disease burden in neonates, renal disease and cancer patients. The book also covers issues related to prophylaxis and the idea of VTE as patient injury content.

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Hematology



Martha Roper

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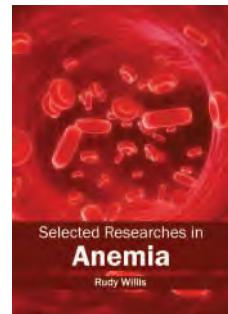
Encyclopedia of Venous Thrombosis

This book consists of comprehensive information regarding venous thrombosis. According to Virchow's triad, venous thrombosis can develop as a consequence of one or more of these factors: hypercoagulability, alterations in the movement of the blood flow, and endothelial injury/dysfunction of the blood vessel. Microscopic thrombi are continuously formed by blood in the veins and are regularly broken down by the body. Considerable amount of clotting can only occur when there is a disturbance in the balance between thrombus formation and resolution. This book is a detailed description of venous thromboembolism care and comprises of a compilation of opinions and studies from multifarious fields of medicine. Since venous thrombosis has a wide spectrum, it can affect many organ systems, from deep veins of the leg to the cerebral venous system. Therefore, this book is intended to be an extensive, up-to-date and comprehensive read. The aim of this book is to present novel ideas and perspectives reflected by clinical studies and case-reports conducted by authors.

Hematology

Selected Researches in Anemia

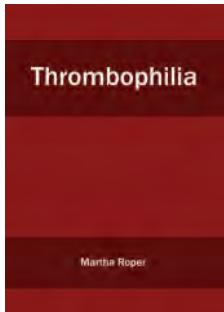
Anemia is a common blood disorder. This book presents a complete summary of many developments in the field of anemia. It discusses anemia linked to pregnancy, the fetus and the infant. Some general infections that cause anemia in rising nations, malaria and trypanosomiasis, have been discussed thoroughly. Hence, this book gives a comprehensive summary of anemia and will be helpful for readers interested in this field.



Rudy Willis

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Hematology



Martha Roper

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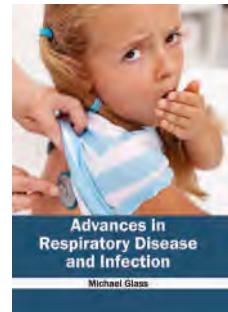
Thrombophilia

This book discusses the topic of thrombophilia with the help of advanced information. Thrombophilia(s) is a state of high tendency to form blood clots. This state can be acquired or inherited which is the main reason behind this term being often used in plural. People suffering from thrombophilia have greater chances of acquiring thromboembolic complications, like pulmonary embolism, deep venous thrombosis or cardiovascular complexities, such as stroke or myocardial infarction. But these complications are rare and it is possible that these individuals might never face clotting problems throughout their life. The enhanced blood coagulability is intensified under conditions of extended immobility, surgical intervention, especially at the time of pregnancy and puerperium, and the use of estrogen contraception. This has led to the reason why numerous obstetricians-gynecologists have engaged themselves in this field apart from hematologists: women are more commonly at risk.

Pulmonology

Advances in Respiratory Disease and Infection

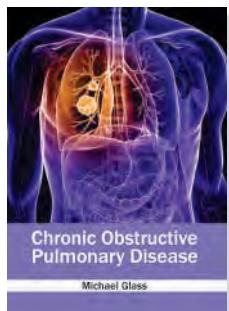
This book comprehensively discusses the advances in respiratory disease and infection. Medicine is a dynamic science. Every day we witness novel advancements and enhancement of our knowledge in the pathogenesis, structure of diseases, latest diagnostic modalities, treatment options and various challenges in the management of diseases. The same can be said for respiratory diseases, with the development of new respiratory pathogens having great impact on the respiratory system. Respiratory diseases are significant contributors to the morbidity and mortality of humankind since ancient times and their prevalence is increasing with new diseases being identified despite the little significance that has been given to respiratory diseases due to limited awareness of physicians and general public. This book aims to present detailed studies about different respiratory infections including viral, bacterial, and helminthic infections.



Michael Glass

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Pulmonology



Michael Glass

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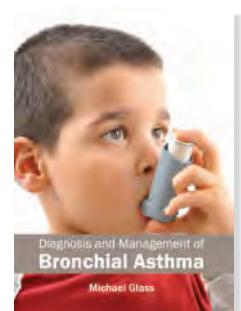
Chronic Obstructive Pulmonary Disease

A few years back, many clinicians were considered as having a negative view regarding the cure of Chronic Obstructive Pulmonary Disease (COPD) which has changed over the due course of time. This book on COPD is a medium to present researches and theories on this disease from experts from around the globe. It presents the readers with an array of topics varying from latest findings in the fundamental science to novel interventions in COPD. Also, valuable inferences from specialty fields such as cardiology, geriatric medicine and neuropsychiatry are often required for comprehensive management of COPD. The recent researches regarding COPD hold bright future prospects. In any case, the ultimate aim is in improving status, health and survival of patients affected with COPD.

Pulmonology

Diagnosis and Management of Bronchial Asthma

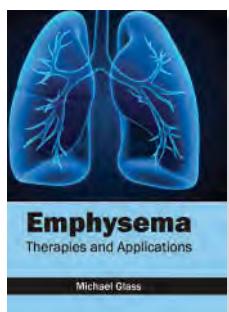
This book is a concise and sophisticated introduction to bronchial asthma. Asthma remains a severe cause of anxiety for a lot of people worldwide. This book discusses topics related to the diagnosis, prevalence and progression of asthma. It also includes studies of the immunological responses to the advancement and progression of this disease. Furthermore, the book comprises of an analysis of the emerging treatment strategies regarding the management of asthma. This book includes some ground breaking researches made on bronchial asthma by leading experts.



Michael Glass

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Pulmonology



Michael Glass

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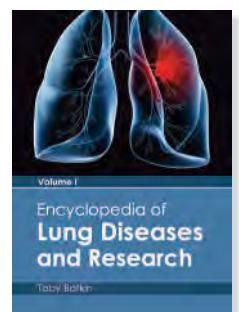
Emphysema: Therapies and Applications

The aim of this book is to present state-of-the-art information regarding the disease of emphysema. Emphysema is one of the primary types of chronic obstructive pulmonary disease (COPD). This book presents a descriptive account of emphysema elucidating its theory as well as applications. A broad spectrum of topics regarding this disease are encompassed in this profound book including the role of alpha-1 antitrypsin in this disease, combined pulmonary fibrosis and emphysema, endoscopic lung volume reduction, etc. It is intended for a wide range of readers who are interested in gaining advanced knowledge regarding this disease.

Pulmonology

Encyclopedia of Lung Diseases and Research: Volume I

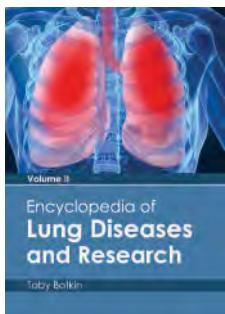
The advancements in the field of molecular medicine are changing respiratory medicine significantly. This book consists of the knowledge and experience of renowned scientists and clinicians from around the world. It will benefit aspiring clinicians and scientists about the current developments in a variety of lung ailments that will enable them to understand respiration related disorders. The major topics covered in this book are airways disease and neoplastic diseases. This book will be valuable to clinicians to keep up with the latest concepts, to enhance their diagnostic skills, and to understand the potential new therapeutic applications in lung diseases. It will also be beneficial to scientists who can further new research areas for investigation.



Toby Botkin

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Pulmonology



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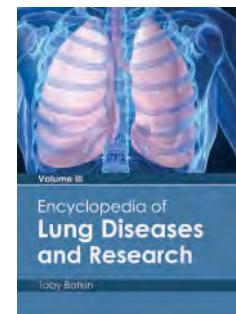
Encyclopedia of Lung Diseases and Research: Volume II

The advancements in the field of molecular medicine are changing respiratory medicine significantly. This book consists of the knowledge and experience of renowned scientists and clinicians from around the world. It will benefit aspiring clinicians and scientists about the current developments in a variety of lung ailments that will enable them to understand respiration related disorders. The book discusses issues related to pediatric respiratory ailments and immune regulation. This book will be valuable to clinicians to keep up with the latest concepts, to enhance their diagnostic skills, and to understand the potential new therapeutic applications in lung diseases.

Pulmonology



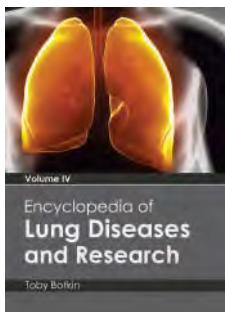
Toby Botkin



Toby Botkin

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Pulmonology



Toby Botkin

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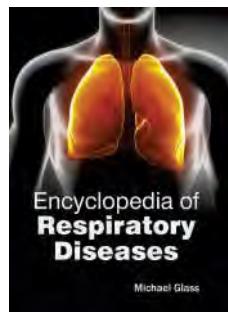
Encyclopedia of Lung Diseases and Research: Volume IV

Lung diseases account for a high global mortality and morbidity rate and are a cause of serious concern worldwide. This book on lung diseases consists of information emphasizing on several fields, ranging from inflammatory and parasitic lung diseases to pulmonary oncogenesis and presents basic research necessary for the development of new and early biomarkers in diagnosis of the lung cancer. Mouse models can assist in the comprehension of the sequence of events involved in human lung neoplasia and their underlying molecular mechanisms. The outcomes of the research could be employed to identify new targets for the development of novel biological therapies. In this book, the role of inflammation in several respiratory diseases has been outlined. The book delves into the cellular mechanisms including neutrophils for enhancing the comprehension of the phenomenon and help in developing targeted therapies. It also highlights the rising significance of overlooked tropical diseases due to an escalated traffic across the continents and migration of the population. Physicians need to be familiar with the symptoms of these diseases, especially in travelers and immigrants from tropical endemic areas.

Pulmonology

Encyclopedia of Respiratory Diseases

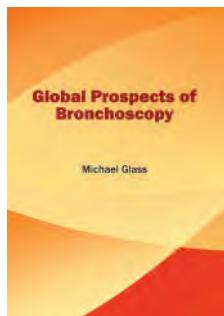
An elaborate account of information regarding respiratory diseases has been presented in this profound book. Medicine is a dynamic science. In this aspect, respiratory medicine is not an exception and has been developing during recent years. New researches broaden our knowledge and perspectives; provide better understanding of modern methods for diagnoses; and present genetic and underlying pathophysiology of diseases and new clinical experiences. Therefore, publications of new research works along with revisions of existing ones are required. This book presents factual aspects of pulmonary diseases. It presents the result of years of experience of expert clinicians in this field from various scientific centers. The book discusses respiratory diseases based on their epidemiology, pathology, diagnosis, treatment, and prognosis. It includes latest studies on the pathogenesis and molecular aspects of different diseases and is recommended for medical students, practitioners and pulmonologists.



Michael Glass

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Pulmonology



Michael Glass

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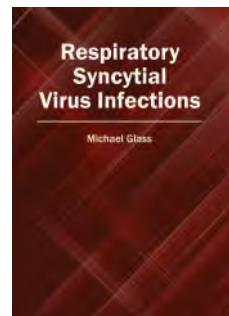
Global Prospects of Bronchoscopy

The extensive global prospects of bronchoscopy are described in this detailed book. Bronchoscopy has become a vital part of contemporary medicine. Current developments in technology have facilitated the integration of ultrasound with this tool. The utilization of lasers with this technique has amplified the therapeutic efficacy of this tool. Internationally, a rising number of pulmonary experts and thoracic surgeons are using the bronchoscope to accelerate analysis and treatment. This book adds to the vast reservoir of information on this subject which will help both trainees and experts to learn more about this technique. The contributions by the authors from around the globe cover variety of topics associated with bronchoscopy with a special topic on the fast emerging pediatric bronchoscopy. This book is a valuable resource for doctors, ancillary team members, health providers and students who have to perform or arrange bronchoscopy and related procedures.

Pulmonology

Respiratory Syncytial Virus Infections

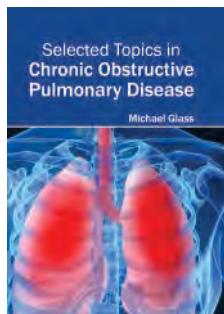
This book contains contributions of various authors in the field of respiratory syncytial virology. The primary focus in the book is on the fascinating pathophysiology of RSV and the book consists of substantial work on various mechanisms involved in the complex pathogenesis of the virus. The book also explicates epidemiologic and diagnostic aspects of RSV infection inclusive of a more clinical perspective of RSV disease. The book also discusses the treatment modalities, together with the search for a vaccine that is still not in view, thus constructing a circle that runs from experimental models of RSV associated lung disease over clinical perspectives of disease to the current advances of therapeutic and prophylactic approaches to human RSV infection.



Michael Glass

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Pulmonology



Michael Glass

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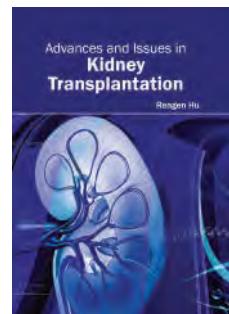
Selected Topics in Chronic Obstructive Pulmonary Disease

A few years back, many clinicians had a negative view regarding the cure of Chronic Obstructive Pulmonary Disease (COPD), which has changed over the due course of time. This book on COPD is a medium to present researches and theories on this disease from experts from around the globe. It presents the readers with an array of topics related to treatment and care of patients with COPD challenges, the entire range of respiratory medicine, testing the limits of pulmonary function (and exercise) testing, bronchology, chest physiotherapy, thoracic surgery and radiologic imaging. Also, valuable inferences from specialty fields such as cardiology, geriatric medicine and neuro-psychiatry are often required for comprehensive management of COPD. The recent researches regarding COPD hold bright future prospects.

Nephrology

Advances and Issues in Kidney Transplantation

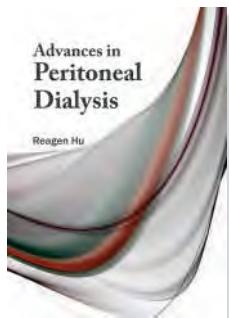
This book highlights important areas of scientific research in kidney transplantation. It discusses the most novel methodologies in transplantation immunology. Aspects of daily care of transplant recipients are also elucidated in this all-inclusive book. The aim of this book is to enhance the care instruments for all the patients and serve as a useful source of reference.



Reagen Hu

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Nephrology



Reagen Hu

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Year 2015
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196pp./Colored
Hardback

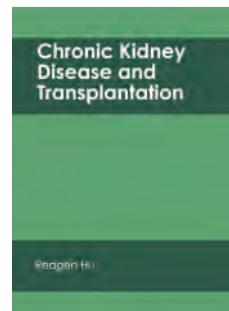
Advances in Peritoneal Dialysis

Peritoneal Dialysis is a treatment technique used for patients suffering from severe chronic kidney disease. This book is based on inferences from numerous research works contributed by concerned practitioners related to different aspects of peritoneal dialysis. It encompasses a wide range of topics, ranging from mathematical modeling to clinical analyses, and in-vitro experiments. The aim of this book is to provide the readers with descriptive information on different characteristics of peritoneal dialysis significant in expanding their knowledge regarding this underutilized approach of renal replacement therapy.

Nephrology

Chronic Kidney Disease and Transplantation

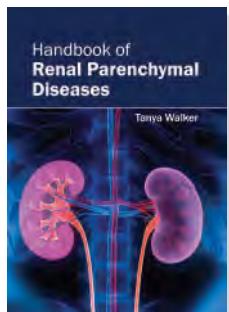
This book deals with a class of advanced information regarding chronic kidney disease and transplantation. It deals with the inpatient and outpatient methods applied to treat chronic renal disease and renal transplant with clinical applicability. It describes diverse topics of the chronic disease and provides an overview on latest developments and discoveries regarding the disease and its operation. It also puts forward various viewpoints on the present state of the disease. The content emphasizes on the medical as well as psychosocial aspects of the kidney disease. Recent advancements are displayed in the form of graphs and diagrams for easy understanding. It also discusses issues related to transplant and approaches for taking good care of patients who have either undergone or will undergo the transplant.



Reagen Hu

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Nephrology



Tanya Walker

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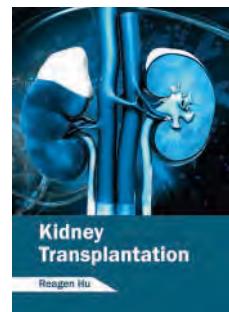
Handbook of Renal Parenchymal Diseases

Clinical nephrology is an emerging field in which the amount of information is advancing on everyday basis. This book provides instant access to certain significant clinical conditions confronted in nephrology including the diseases of tubules, interstitium and glomeruli. It comprises of the current information on diagnosis, management and pathophysiology of vital diseases of renal parenchyma. The information is described in an extremely user friendly way as the treatment algorithms allow the reader to instantly access expert advice on arriving at the most suitable treatment regimen. The book also explains the renal involvement in several systemic diseases including diabetes and autoimmune diseases. Diabetic nephropathy is rapidly becoming the most general cause of end stage renal disease across the world and is described comprehensively in this book.

Nephrology

Kidney Transplantation

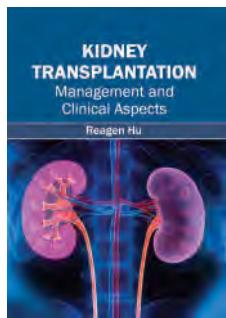
This book provides the state-of-the-art information on kidney transplantation. Kidney transplantation is a comparatively recent field in medicine, despite considerable achievements to date. Due to the armamentarium of agents present to efficiently suppress the immune system, the last decade has witnessed a shift in focus from prevention of rejection to an emphasis on prolonging the life of the allograft and latest techniques to escalate the organ donor pool. This book encompasses general concepts in this field while addressing methods to manage kidney transplant recipients simultaneously for the purpose of maximizing patient and graft survival. In addition, latest concepts to boost organ availability are presented, including single site laparoendoscopic donor nephrectomy for living donor kidney transplantation and kidney paired donation, utilization of marginal, hepatitis C positive, and older donor organs to boost deceased donor transplant opportunities.



Reagen Hu

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Nephrology



Reagen Hu

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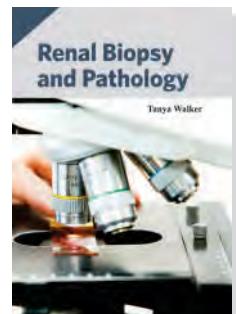
Kidney Transplantation: Management and Clinical Aspects

This book highlights distinct areas of scientific and clinical aspects in kidney transplantation. Ranging from donor examination to the most novel methodologies in immunological diagnostics, this book discusses diagnostic methods in renal transplantation and clinical aspects of transplantation. Issues related to daily care of transplant recipients are also elucidated in this all-inclusive book. The aim of this book is to enhance the care mechanisms for all patients and serve as useful source of reference.

Nephrology

Renal Biopsy and Pathology

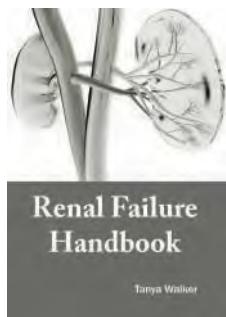
There is no shortage of high-class books on renal biopsy and pathology in the market. These are, moreover, single author or multi-author books, printed by world authorities in their individual areas, mostly from the urbanized world. Most of the books share the traditional dullness of the topics or subjects enclosed in the book. The current book is an exclusive text that bears a truly global outlook and incorporates a diversity of topics, which makes the book a very valuable resource. The authors of the current book hail not only from the urbanized world, but also from many developing nations.



Tanya Walker

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Nephrology



Tanya Walker

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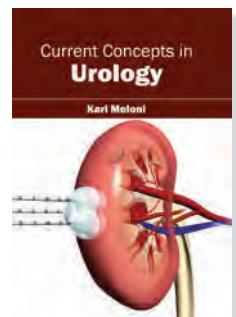
Renal Failure Handbook

This book aims at presenting latest insights about diagnosis, treatment and etiopathogenesis of chronic and acute renal failure. Both acute and chronic renal failures are of significant medical concern and also influence economies of many countries. Topics covered in the book elucidate essential issues of causes, diagnosis and therapeutic achievements of Acute Kidney Injury (AKI). The book also includes topics which elaborate the psychological conditions of patients undergoing hemodialysis and the cure of diabetic uremics. The book serves the objective of assisting clinicians with special interest in nephrology and generalists encountering nephrological challenges frequently. It also serves as a valuable reference for researchers and students interested in the study of this area.

Urology

Current Concepts in Urology

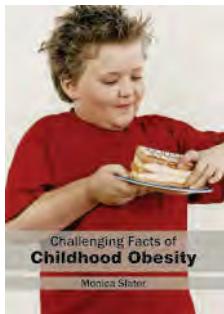
This book is an extensive source of information for research in the field of urology. The spectrum of possibilities for urology is growing in leaps and bounds to emerge as the most rapidly expanding surgical superspecialty. This rapid growth over the past couple of decades has stemmed from rapid scientific advancements and fruitful amalgamation of engineering and technology for diagnosis and treatment. The scope of minimally invasive approaches in surgical removal has been unmatched and preeminent. Not only are the various fields of urology evolving, significant advancements in each of these fields are also being made continually. This book talks extensively about the current trends in the field. The emphasis of the book has not been concentrated in any one particular direction, making it more relevant to associated fields like stone disease, telerobotic surgery and surgical simulation. Role played by internet based applications has also been emphasized upon. It also explores state-of-the-art concepts and focuses on concepts which hold a vast scope of applicability in future.



Karl Meloni

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Endocrinology & Metabolism



Monica Slater

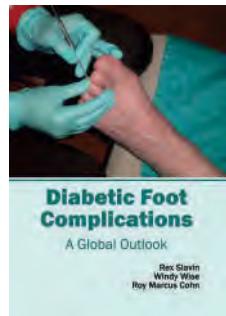
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Challenging Facts of Childhood Obesity

The current lifestyle habits have aggravated the problem of childhood obesity. With this book we intend to explain the key reason and remedies regarding child obesity. Obesity develops primarily due to the amalgamation of genetic, ecological, psychological, metabolic and hormonal factors. The pervasiveness of obesity has shown an immense rise both in adults and children in the last few decades. It is a fact that one third of obese children and eighty percent of obese adolescents tend to suffer from obesity throughout their lives. Childhood obesity is a serious issue which needs to be dealt with on time as it can develop into fatal diseases in future.

Endocrinology & Metabolism

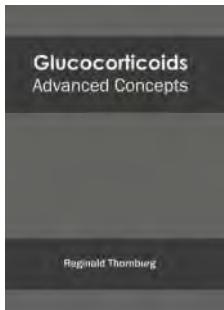
Diabetic Foot Complications: A Global Outlook



Rex Slavin
Windy Wise
Roy Marcus Cohn

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Endocrinology & Metabolism



Reginald Thornburg

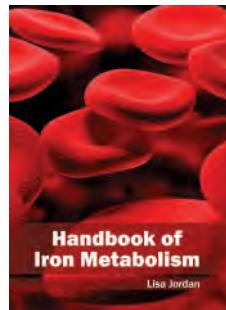
ISBN: 978-1-63241-234-8
\$145.95 US
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356pp./Colored
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Glucocorticoids: Advanced Concepts

As one category of the most essential steroid hormones, glucocorticoids have been acknowledged for long, and their therapeutic benefits have been broadly used in clinical treatment, particularly in anti-inflammation cases. Glucocorticoids controls several processes in the body also with the mobilization of energy stores, immune system, gene expression, and upholding of the homeostasis as well as the stress response, this is not unexpected that the theory of "glucocorticoids" is talked about in almost all medical books that aims on definite organs or systems such as the cardiovascular system, the immune system, and the neuroendocrine system. This book aims to reveal the newest researches linked to glucocorticoids, also examines prenatal glucocorticoids affecting the placental development and its consequences on adulthood and the clinical use of glucocorticoids in the treatment of various diseases.

Endocrinology & Metabolism

Handbook of Iron Metabolism



Lisa Jordan

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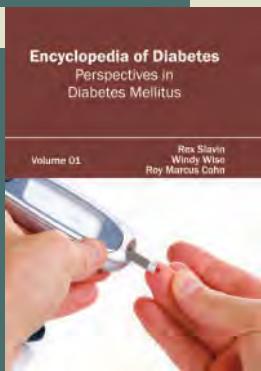
Medical Science

Endocrinology & Metabolism

Volume 01

Rex Slavin
Windy Wise
Roy Marcus Cohn

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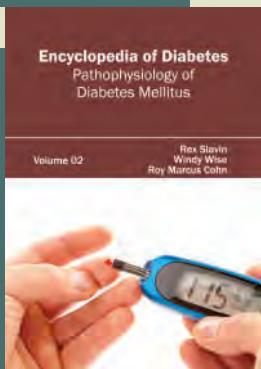
Encyclopedia of Diabetes: Perspectives in Diabetes Mellitus

This book elucidates several approaches in the management of diabetes mellitus. The basic aim in the management and treatment of diabetes mellitus is to control and normalize blood glucose levels and to avoid diabetic problems. It also encompasses maintaining normal body weight, development and growth. Regular exercise, distinct therapeutic agents, proper healthy diet and weight control are the pillars of diabetic care and management. It is certain that medical management and aims of therapy of diabetes mellitus have transformed over time. Latest analyses have displayed that the risk of developing retinopathy can reduce by 76% in appropriately managed diabetic patients when compared to control group and that laboratory and clinical signs as well as symptoms of neuropathy and nephropathy can also reduce by 54-60%. Contemporary approaches to the management of diabetes mellitus include holistic options.

Volume 02

Rex Slavin
Windy Wise
Roy Marcus Cohn

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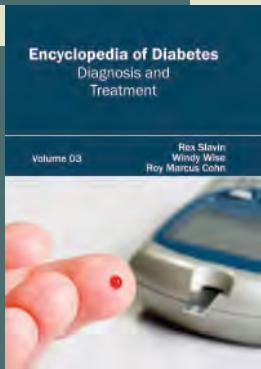
Encyclopedia of Diabetes: Pathophysiology of Diabetes Mellitus

A compilation of comprehensive information has been presented in this book regarding the pathophysiology of diabetes mellitus. Diabetes mellitus is a complex, progressive disease, which bring along with it, a number of complications. It is a metabolic disease of the endocrine system and is considered one of the most general diseases across the globe. This disease is a universal metabolic epidemic and it is predicted that the number of people affected by this disorder will increase from the present 150 million to around 230 million by 2025. Hyperglycemia is a characteristic aspect of diabetes mellitus and chronic hyperglycemia could result in long-term problems in the eyes, blood vessels, heart and nerves. This book discusses the pathophysiology and selected problems in diabetes mellitus.

Volume 03

Rex Slavin
Windy Wise
Roy Marcus Cohn

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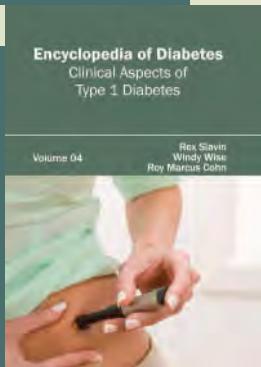
Encyclopedia of Diabetes: Diagnosis and Treatment

This book compiles the significant information regarding diabetes – diagnosis and treatment. Over the past few decades, the predominance of diabetes has extensively grown in most parts of the world. In 2010, 285 million people were diagnosed with this disease and it is predicted that the number will rise to 438 million in 2030. Hypoglycemia is a disorder in which the glucose serum concentration is usually low. The organism generally keeps the serum glucose concentration in a range of 70-110 mL/dL of blood. In hypoglycemia, the glucose concentration usually stays less than 50 mL/dL of blood. The aim of this book is to serve as a useful resource for doctors, scientists, pharmacists, and other veterans in a broad spectrum of disciplines, both industrial and academic. In addition, to assist research and development, this book will be useful for teaching as well.

Volume 04

Rex Slavin
Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes: Clinical Aspects of Type 1 Diabetes

The book is compiled of up-to-the-minute information that elucidates recent knowledge of Type-1 Diabetes as an autoimmune disease. It also elaborates the obstacles that are still there with available treatments and probable solutions for the not too distant future. This book contains three sections namely, "Epidemiology and Etiology", "Genetics" and "Beta-Cell Function and Dysfunction".

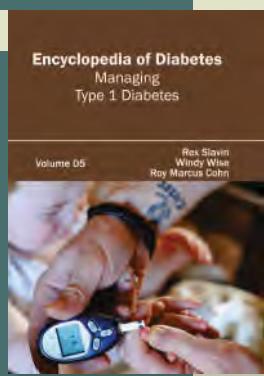
Medical Science

Endocrinology & Metabolism

Volume 05

Rex Slavin
Windy Wise
Roy Marcus Cohn

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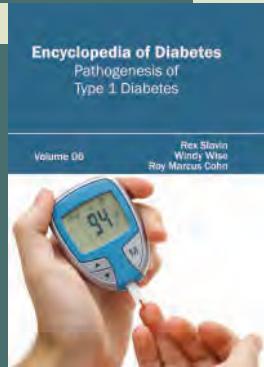
Encyclopedia of Diabetes: Managing Type 1 Diabetes

Infused with the spirit of inquiry, this book gives direction to its readers. The book is compiled of up-to-the-minute information that elucidates recent knowledge of Type-1 Diabetes as an autoimmune disease, the obstacles that are still there with available treatments and probable solutions for the not too distant future. This book contains three sections namely, "Complications", "Patient Care" and "Therapies in the Pipeline".

Volume 06

Rex Slavin
Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes: Pathogenesis of Type 1 Diabetes

The book contains reviews regarding the pathogenesis of Type-1 Diabetes. Type-1 Diabetes is a classic autoimmune disease. Genetic factors are responsible but they cannot describe the rapid, even overwhelming magnitude of this disease. It is important to comprehend etiology and pathogenesis of this disease. Several veterans in this field have analyzed a number of topics for consideration that are appropriate for clinicians as well as researchers alike. The book gives appropriate elucidation of advanced technologies and applications in the constant search for cure and treatments for diabetes. The topics are grouped under the sections: Pathogenesis, Pathogenesis-Virus, Pathogenesis-Environment, Imaging and Therapy.

Volume 07

Rex Slavin
Windy Wise
Roy Marcus Cohn

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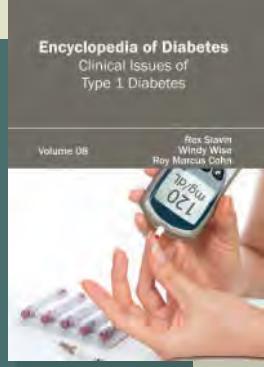
Encyclopedia of Diabetes: Genetics and Therapy of Type 1 Diabetes

Type-1 Diabetes is a classic autoimmune disease. The book contains reviews regarding the pathogenesis of Type-1 Diabetes. Genetic factors are responsible but they cannot describe the rapid, even overwhelming magnitude of this disease. It is important to comprehend etiology and pathogenesis of this disease. Several veterans in this field have analyzed a number of topics for consideration that are appropriate for clinicians as well as researchers alike. The book gives appropriate elucidation of advanced technologies and applications in the constant search for cure and treatments for diabetes. The sections include Immunotherapy, Beta Cell Replacement and Genetics.

Volume 08

Rex Slavin
Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes: Clinical Issues of Type 1 Diabetes

The book provides an overview of current developments in Type-1 Diabetes research across the world, focusing on distinct research fields significant to this disease. The areas covered are diabetes mellitus and complexities, psychological characteristics of diabetes and perspectives of diabetes pathogenesis. Top-notch investigators from across the world have contributed in this book. The book aims to elucidate understandable presentation of concepts on the basis of experiments and results from existing published reports as well as from research works of authors. The book will serve as a valuable source of reference for basic science and clinical investigators as well as for patients and their families.

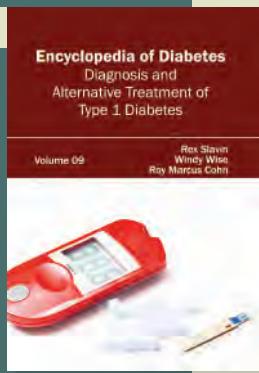
Medical Science

Endocrinology & Metabolism

Volume 09

Rex Slavin
Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes:

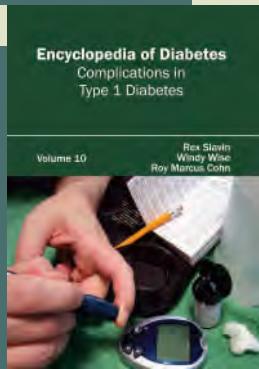
Diagnosis and Alternative Treatment of Type 1 Diabetes

This book elucidates current developments in Type-1 Diabetes research across the world, focusing on distinct research fields significant to this disease. The areas covered are recognition & monitoring of diabetes mellitus and substitute treatments for diabetes. Top-notch investigators from across the world have contributed in this book. The book aims to elucidate understandable presentation of concepts on the basis of experiments and results from existing published reports as well as from research works of authors. The book will serve as a valuable source of reference for basic science and clinical investigators as well as for patients and their families.

Volume 10

Rex Slavin
Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes:

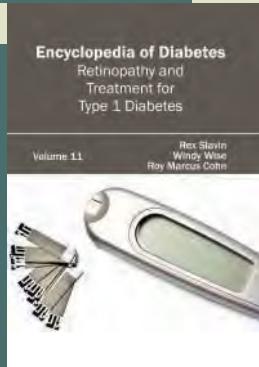
Complications in Type 1 Diabetes

The book contains reviews regarding the pathogenesis of Type-1 Diabetes, which is a classic autoimmune disease. Genetic factors are responsible but they cannot describe the rapid, even overwhelming extent of this disease. It is important to comprehend etiology and pathogenesis of this disease. The complexities related to Type-1 Diabetes include a number of clinical problems. Several veterans in this field have analyzed a number of topics for consideration that are appropriate for clinicians as well as researchers alike. The book has been organized under two sections: Diabetes Onset and Cardiovascular Complications.

Volume 11

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Roy Marcus Cohn

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Encyclopedia of Diabetes:

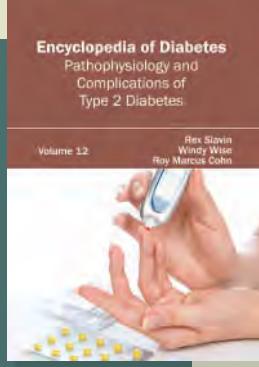
Retinopathy and Treatment for Type 1 Diabetes

This book contains extensive analysis regarding the pathogenesis of Type-1 Diabetes. Type-1 Diabetes is a classic autoimmune disease. Genetic factors are responsible but they cannot describe the rapid, even overwhelming extent of this disease. It is important to comprehend etiology and pathogenesis of this disease. The complexities related to Type-1 Diabetes include a number of clinical problems. Several veterans in this field have analyzed a number of topics for consideration that are appropriate for clinicians as well as researchers alike. The book gives appropriate elucidation of advanced technologies and applications in the constant search for cure and treatments for diabetes which are organized under three sections namely, Retinopathy, Treatment and Diabetes & Oral Health.

Volume 12

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Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes:

Pathophysiology and Complications of Type 2 Diabetes

Type-2 Diabetes is now a severe health problem worldwide. Patients with this disease have 2-4 times greater risk of renal and cardiovascular complications, mortality and morbidity. This unique book includes topics like pathophysiology and complications. Comprehending the etiology of the onset and advancement of this disease is crucial to avoid its complications and delay the progress. The pathophysiology includes a number of mechanisms and aspects from the micro (molecular) to the macro (neuro-hormonal mechanisms and beta-cell function in the pancreas). This book contains topics like sympathetic nervous system imbalance, renal complexities, atherosclerosis, and foot ulcers which are mostly seen in diabetic patients. The aim of this book is to provide the readers with helpful knowledge regarding the field and assist clinicians and researchers.

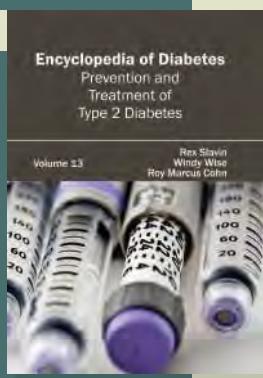
Medical Science

Endocrinology & Metabolism

Volume 13

Rex Slavin
Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes:

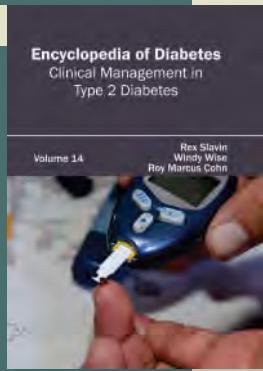
Prevention and Treatment of Type 2 Diabetes

Type-2 Diabetes is a severe health problem worldwide. Patients with this disease have 2-4 times greater risk of renal and cardiovascular complications, mortality and morbidity. Comprehending the etiology of the onset and advancement of this disease is crucial to avoid its complications and delay the progress. This book covers important topics under treatments and prevention. The prevention and treatments contains detailed accounts regarding bariatric surgery, insulin therapy, pharmacological and non-pharmacological treatments. The aim of this book is to provide the readers with helpful knowledge regarding the field and assist clinicians and researchers.

Volume 14

Rex Slavin
Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes:

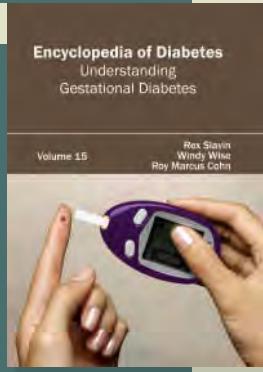
Clinical Management in Type 2 Diabetes

This book discusses the topic of clinical management in Type-2 Diabetes. Type-2 diabetes is predicted to have affected nearly 120 million people across the world and according to the estimations by World Health Organization; it is anticipated to double in the next two decades. New economical strategies are required for reversing the global epidemic of obesity which is responsible for the escalated occurrence of type-2 diabetes and to decrease the burden of diabetic vascular complexities. Veterans in medicine and biology across four distinct continents have contributed vital information and advanced scientific knowledge on various topics regarding the prevention and management of diabetes and related illnesses in this book.

Volume 15

Rex Slavin
Windy Wise
Roy Marcus Cohn

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Encyclopedia of Diabetes:

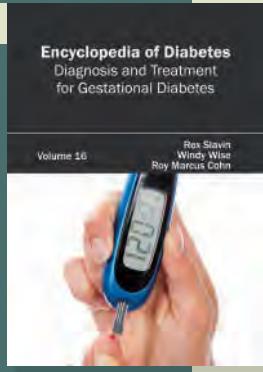
Understanding Gestational Diabetes

This book aims to educate the readers with detailed knowledge regarding gestational diabetes. The occurrence of gestational diabetes is rapidly increasing and this pathological condition has a strong association with adverse pregnancy results. Since gestational diabetes can have chronic pathological consequences for both mother and child, it is important that it is instantly recognized and suitably managed. Treatment of this kind of diabetes is aimed to maintain euglycemia and it should include routine glucose monitoring, dietary modifications, changes in life style, appropriate physical activity and when required, pharmacotherapy. Appropriate glycemic control throughout the pregnancy can significantly reduce the existence of specific adverse perinatal and maternal consequences. In a long term aspect, for avoiding diabetes to develop further in life, as well to prevent related complications, a necessary education on lifestyle modifications should start in pregnancy and should continue postpartum.

Volume 16

Rex Slavin
Windy Wise
Roy Marcus Cohn

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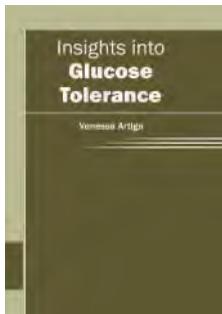


Encyclopedia of Diabetes:

Diagnosis and Treatment for Gestational Diabetes

The aim of this book is to provide elaborative information regarding the diagnosis and treatment of gestational diabetes. This book elucidates various aspects of gestational diabetes (GD) by emphasising on its less understood multifactorial mechanisms. Basic approaches are important in understanding this syndrome, i.e., endothelial dysfunction and the function of other placenta cells such as trophoblasts. It will positively help to boost the knowledge-based management of GD for the well-being of the mother and the fetus. Various topics covered in this book lead us to the conclusion that pre-pregnancy and antenatal screening of women is essential. It will not only improve the management and outcome of current pregnancy but will also optimize life-long health and well-being considering the inter-generational consequences.

Endocrinology & Metabolism



Vanessa Artiga

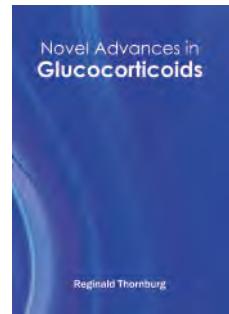
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Insights into Glucose Tolerance

The various insights into glucose tolerance are highlighted in this elaborative book with the help of up-to-date information. The development from normal glucose tolerance (NGT) to type 2 diabetes is associated with the involvement of transitional stages of impaired fasting glucose (IFG) and impaired glucose tolerance (IGT), also known as pre-diabetes. The pathophysiology fundamentally associated with the growth of these glucose metabolic changes is caused by multiple factors, resulting in a change responsible for the balance between insulin sensitivity and insulin secretion. Our understanding of the molecular basis of the signalling pathways monitoring the numerous physiologic outcomes of insulin is gradually increasing. New substrates and signalling molecules have been acknowledged and prospective methods engaged in the pathophysiology of type 2 diabetes have been discovered. This book elucidates the existing state of information on the pathophysiology underlying the development from normal glucose tolerance to type 2 diabetes and therapeutic improvements in the glycaemic control in pre-diabetic and diabetic states.

Endocrinology & Metabolism

Novel Advances in Glucocorticoids



Reginald Thornburg

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Endocrinology & Metabolism



Lionel Russ

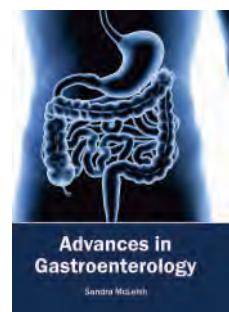
ISBN: 978-1-63241-341-3
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Research Highlights on Prolactin

This book provides important research advancements on prolactin. Prolactin is a polypeptide hormone which is synthesized in and secreted from the lactotrophs of the anterior pituitary gland. However, we are now familiar with the fact that secretion and synthesis of prolactin is not limited to the anterior lobe of the pituitary gland, but other organs and individual cells can also produce it. This book provides an introduction to follow a course of integrated knowledge on this topic and its research during the past two to three decades and it may also help us understand some of the concerns that we face today.

Gastroenterology

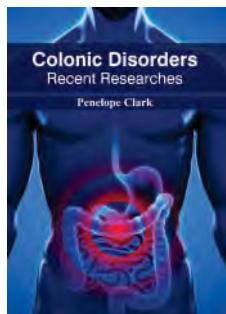
Advances in Gastroenterology



Sandra McLeish

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Gastroenterology



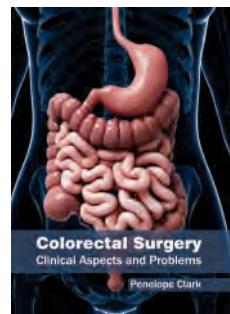
Penelope Clark

ISBN: 978-1-63241-091-7
\$124.95 US
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Colonic Disorders: Recent Researches

This book provides substantial update on the recent researches in colonic disorders. The 21st century has witnessed a revival of research of the gastronomical tract, particularly since it was discovered that it has a primary role as an immune system organ and subsequently, has a great effect on transmission, affect and causation of most human ailments. Diseases like AIDS, hepatitis and tumors of the gastrointestinal tract have surfaced and they are presently subjects of intensive research and topics of scientific papers published across the world and earlier diseases like diarrhea have become greatly complicated to diagnose with novel and old pathogens, tumors, drugs and malabsorptive disorders accounting for the confusion. This book presents algorithms on how to approach such conditions in an organized way both to reach a diagnosis and to make patient care more effective and cheaper. It aims to compile all the novel information into proper perspective with stress on aetiopathogenesis and present rational approach towards management of several old and new diseases.

Gastroenterology



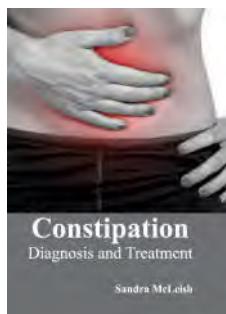
Penelope Clark

ISBN: 978-1-63241-093-1
\$84.95 US
Year 2015
Book Size: 6"x9"
135pp./Colored
Hardback

Colorectal Surgery: Clinical Aspects and Problems

This book deals with a class of advanced information regarding colorectal surgery and elucidates its clinical aspects and related problems. Colorectal surgery has evolved in last few years, which is evident from the development of laparoscopic techniques, pre-operative management, emergency colorectal surgery, fast track multimodal recovery, management of complex wound problems and colorectal cancer follow-up. This book aims at breaking the classical textbook approach and present content in a manner that has been earlier confined only to the practice of journal writing.

Gastroenterology



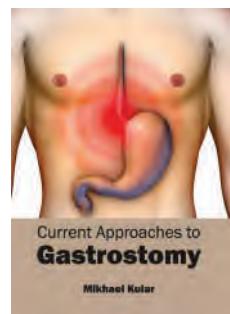
Sandra McLeish

ISBN: 978-1-63241-096-2
\$90.00 US
Year 2015
Book Size: 6"x9"
184pp./Colored
Hardback

Constipation: Diagnosis and Treatment

The book offers an in-depth look at constipation, presenting information regarding its diagnosis and treatment. Constipation is a common problem with children and adults. Surveys suggest an average prevalence of around 12-16% in the general population. It is often regarded as a petty issue in many cases but its consequences can be severe with an adverse impact on quality of life. Fecal soiling due to constipation has a serious psychological effect on people of all ages. This book is a compilation of works by experts from diverse backgrounds. It clarifies the pathogenesis, diagnosis and therapy of constipation for the general population and also for certain high risk groups.

Gastroenterology



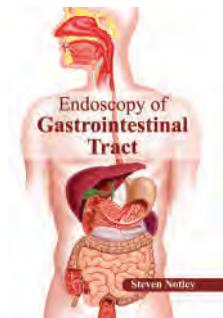
Mikhael Kular

ISBN: 978-1-63241-099-3
\$90.00 US
Year 2015
Book Size: 6"x9"
164pp./Colored
Hardback

Current Approaches to Gastrostomy

This book presents a detailed account on various aspects of the study and research approaches on Gastrostomy. Gastrostomy placement is a technique to provide nutrition to patients who are not able to eat. The book focuses on the need of gastrostomy in children, people with neurological impairment and people diseased with head and neck tumors. Home enteral nutrition is applicable to all these sets of patients and is considerably easier with gastrostomy. The new manifestations require new methods like laparoscopic gastrostomy, laparoscopy assisted endoscopic gastrostomy with/without fundoplication and ultrasonography assisted gastronomy. This book encompasses all this information and is a valuable read for physicians who are already aware about the importance and use of gastrostomy and wish to gain more knowledge.

Gastroenterology



Steven Notley

ISBN: 978-1-63241-212-6
\$155.00 US
Year 2015
Book Size: 6"x9"
359pp./Colored
Hardback

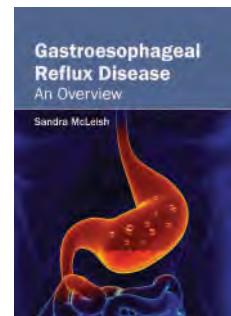
Endoscopy of Gastrointestinal Tract

Endoscopy has played a key role in the advancement of gastroenterology and other medical disciplines. The area of endoscopic procedure has advanced in the past few years. Endoscopic procedure provides an improved comprehension of pathogenic mechanisms, a description of new entities, and is utilized for early detection, diagnostic processes, and therapeutic procedures. Endoscopy has exceeded its role as an examination technique, and has become an efficient therapeutic tool which is not highly invasive.

Gastroenterology

Gastroesophageal Reflux Disease: An Overview

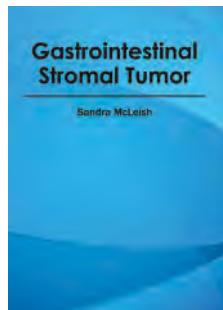
An overview of the gastroesophageal reflux disease has been provided in this book. Gastroesophageal Reflux Disease (GERD) has been a major concern for many people who are affected by this disease. People affected by GERD live under a constant threat of deteriorating quality of life and also, a latent risk of becoming cancer infected. Furthermore, it has been a financial burden for both the diseased and the society. This book aims at providing the gastroenterologists, with an insight into GERD, and helping them to manage and combat this severe disease.



Sandra McLeish

ISBN: 978-1-63241-225-6
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187pp./Colored
Hardback

Gastroenterology



Sandra McLeish

ISBN: 978-1-63241-226-3
\$84.95 US
Year 2015
Book Size: 6"x9"
131pp./Colored
Hardback

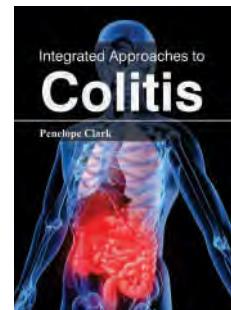
Gastrointestinal Stromal Tumor

Gastrointestinal stromal tumor has been described in this insightful book. Till about 15 years ago, there was no mechanism to detect the origin of Gastrointestinal Stromal Tumor (GIST), and 30 years back, no one thought that GISTs derive from mesenchymal stem elements. Experiments in the past 10 years have stressed on the justification of imatinib meylate therapy in GISTs and given an answer to why a secondary resistance originated during the kinase inhibitors therapy. The era of treatments for GISTs, focusing on the primary activating mutations in the KIT proto-oncogene has been tagged as the new indicator of special importance to the pathologist role in integrative unit that is accountable for curing diseased people with commonly used or metastatic GIST. The book portrays this message in a consolidative manner. Additionally, it imparts knowledge on the precise and case based information on current management of gastrointestinal and extra-gastrointestinal stromal tumors.

Gastroenterology

Integrated Approaches to Colitis

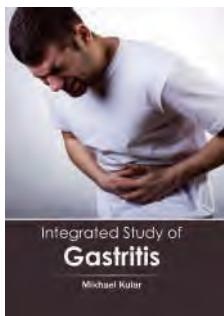
The integrated approaches towards colitis are elucidated in this all-inclusive book. Colitis refers to inflammation of colon. There are various reasons for its cause but the symptoms remain similar in all cases. Therefore, the choice of appropriate therapy according to the correct diagnosis is essential for the proper treatment of the disease. There has been a change in attention towards pathogenesis of colitis from infectious to idiopathic inflammatory bowel diseases over the past few years. Colitis cases related to chemical therapies and particular pathogens are prominent in hospitalized and immuno-deficient patients respectively. This book provides better understanding on the pathogenesis, resolution techniques and treatment methods of colitis.



Penelope Clark

ISBN: 978-1-63241-264-5
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Book Size: 6"x9"
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Hardback

Gastroenterology



Mikhael Kular

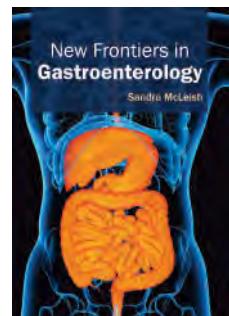
ISBN: 978-1-63241-266-9
\$124.95 US
Year 2015
Book Size: 6"x9"
265pp./Colored
Hardback

Integrated Study of Gastritis

This book provides an integrated analysis of gastritis. The term Gastritis was first coined around 150 years ago, yet its etiology and prognosis has changed as medical complications related to gastritis are in the focus of distinct sub-disciplines like gastroenterology, immunology, genetics, biology, etc. This book highlights information regarding the history of gastritis terminology, epidemiology, distinct research and clinical techniques applied to the background studies and the molecular pathology, animal models, novel gastric mucosal endogenous defensive neural mechanism (capsaicin-sensitive afferentation), biochemistry and genetics concerned with the pathways from helicobacter pylori infection to development of gastric cancer. The targeted audience of this book includes internists, pathologists, pharmacologists, biologists, gastroenterologists, bacteriologists, geneticists, immunologists and other researchers interested in learning more about gastritis.

Gastroenterology

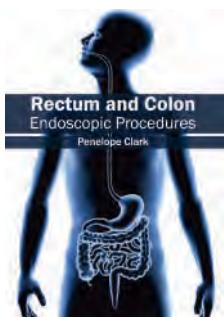
New Frontiers in Gastroenterology



Sandra McLeish

ISBN: 978-1-63241-291-1
\$124.95 US
Year 2015
Book Size: 6"x9"
278pp./Colored
Hardback

Gastroenterology



Penelope Clark

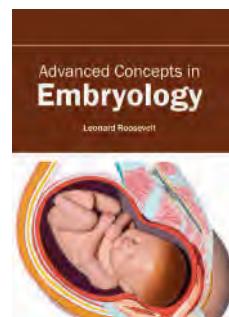
ISBN: 978-1-63241-337-6
\$90.00 US
Year 2015
Book Size: 6"x9"
167pp./Colored
Hardback

Rectum and Colon: Endoscopic Procedures

This book provides a descriptive account of the endoscopic procedures related to rectum and colon. It commences with basic topics like screening by colonoscopy, and preparation and monitoring for this test. In addition to these approaches, the book discusses endoscopic diagnostic and therapeutic aspects in the colon and rectum. The description of each topic is very comprehensive, instructive and coherent. This book targets general and colorectal surgeons as it presents guidelines for diagnosis and treatment which are very well established.

Gynaecology & Obstetrics

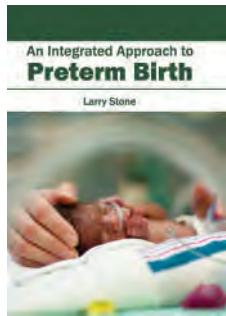
Advanced Concepts in Embryology



Leonard Roosevelt

ISBN: 978-1-63241-011-5
\$115.00 US
Year 2015
Book Size: 6"x9"
222pp./Colored
Hardback

Gynaecology & Obstetrics



Larry Stone

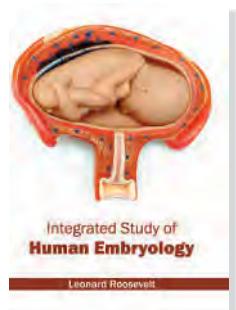
ISBN: 978-1-63241-042-9
\$90.00 US
Year 2015
Book Size: 6"x9"
197pp./Colored
Hardback

An Integrated Approach to Preterm Birth

This book presents an integrated approach to preterm birth with the help of extensive information. There are several descriptive books on this subject in terms of both the pediatric/neonatal as well as the obstetric information. However, all these books lack a combination of information from obstetrics through neonatal course and pediatrics with the transversal of neonate through childhood. An extended discussion between specialties is necessary in this fight against the problem of preterm birth in order to ease both the effects and after-effects. For all the medical developments till date, preterm birth is still all too common, and its complications are a major concern for families, hospitals as well as societies.

Gynaecology & Obstetrics

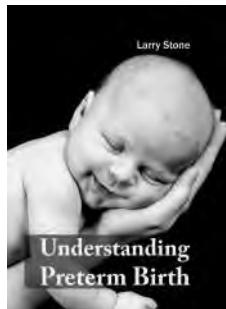
Integrated Study of Human Embryology



Leonard Roosevelt

ISBN: 978-1-63241-267-6
\$90.00 US
Year 2015
Book Size: 6"x9"
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Gynaecology & Obstetrics



Larry Stone

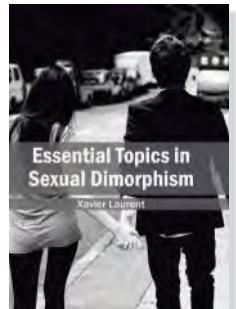
ISBN: 978-1-63241-379-6
\$155.00 US
Year 2015
Book Size: 6"x9"
369pp./Colored
Hardback

Understanding Preterm Birth

An introductory account based on the topic of preterm birth has been provided in this profound book. The preterm parturition syndrome is presently one of the main obstetrical problems. Comprehending the mechanisms resulting in prematurity may help the clinicians to formulate the required treatment that is appropriate for the mechanisms leading to preterm parturition in a particular patient. The book provides up-to-date information regarding maternal stress, particular relation with periodontal disease, and activation of the hemostatic system and preterm childbirth. It also elucidates the effects of prematurity, both short term as well as long term, along with a long term aspect of late preterm parturition. It provides content for discussions between pediatricians, obstetricians and practitioners from other disciplines regarding the treatment, prevention and diagnosis of prematurity.

Sexual Reproduction

Essential Topics in Sexual Dimorphism



Xavier Laurent

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Book Size: 6"x9"
151pp./Colored
Hardback

Pediatrics



Larry Stone

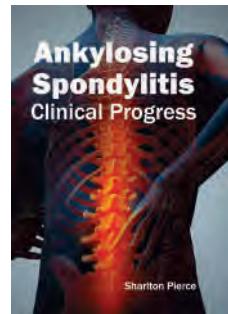
ISBN: 978-1-63241-284-3
\$84.95 US
Year 2015
Book Size: 6"x9"
105pp./Colored
Hardback

Neonatal Bacterial Infection

This book provides an extensive account on neonatal bacterial infection. Neonatal sepsis is still a considerable cause of disease and mortality in the newborn, specifically in preterm, low birth weight infants. In spite of progresses in neonatal care, all over case-fatality rates from sepsis may be as much as 50%. Clinical signs of bacterial infection are unclear and non-specific, and up to now there is no readily available, reliable marker of infection regardless of a huge bulk of analyses focused on inflammatory indices in neonatology. All neonatologists confront the confusion of under or over diagnosing bacterial infection. This book primarily elucidates topics which are: clinical description covering a basic approach to sepsis neonatorum, two different diagnoses pneumonia and osteomyelitis diagnostic approaches encompassing C-reactive protein and the immature myeloid information, and treatment as well as prevention of bacterial infection with immunoglobulins.

Rheumatology

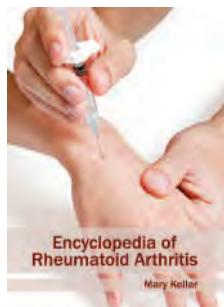
Ankylosing Spondylitis: Clinical Progress



Sharlton Pierce

ISBN: 978-1-63241-045-0
\$90.00 US
Year 2015
Book Size: 6"x9"
176pp./Colored
Hardback

Rheumatology



Mary Kellar

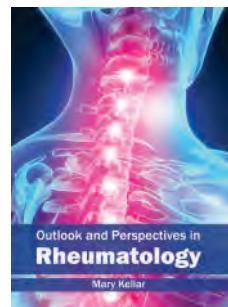
ISBN: 978-1-63241-200-3
\$145.95 US
Year 2015
Book Size: 6"x9"
316pp./Colored
Hardback

Encyclopedia of Rheumatoid Arthritis

An elucidative account based on the disease of rheumatoid arthritis (RA) has been illustrated in this book. It serves the objective of providing latest information and intriguing viewpoints associated with diversified research into current and potential treatments for rheumatoid arthritis. It includes works of internationally acclaimed researchers in rheumatology from all over the world. It serves as a valuable source of reference and provides insights into the potential areas of investigation for scientists and researchers associated with the field of RA and other inflammatory arthropathies.

Rheumatology

Outlook and Perspectives in Rheumatology



Mary Kellar

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286pp./Colored
Hardback

Rheumatology



Mary Kellar

ISBN: 978-1-63241-336-9
\$145.95 US
Year 2015
Book Size: 6"x9"
312pp./Colored
Hardback

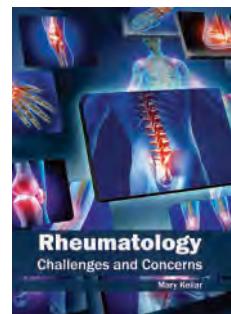
Recent Progress in Rheumatology

Rheumatology is referred to as the study of rheumatism, arthritis, and other disorders of the joints, muscles, and ligaments. Due to methotrexate and biologics, the treatment of Rheumatoid Arthritis has seen considerable developments in past few years. The prevention of joint destruction in rheumatoid arthritis is now achievable and the health of affected patients has also attained steadiness due to constant growth in this area. However, many issues related to rheumatoid arthritis, have still not been resolved. Therefore, a full-fledged treatment therapy has still not been achieved. This book talks elaborately about issues of this field, like describing therapies, primary discoveries, and patient care of rheumatoid arthritis with creative outlook and thoughts. The book aims at helping learners to solve the emerging problems in this area.

Rheumatology

Rheumatology: Challenges and Concerns

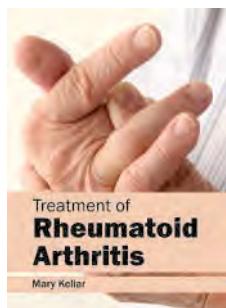
Rheumatology is primarily the study of musculoskeletal diseases. Rheumatology is a specialty of medicine that focuses on the biology, cause, analysis and the management of various musculoskeletal and other systemic disorders. The field of rheumatology is growing speedily and numerous advancements have occurred in the past few years. Firstly, there has been an increase in comprehension regarding the nature of inflammation and the possibility of specially regulating the abnormal immune inflammatory response. Secondly, an analysis of pathogenesis has led to the creation of new, more targeted approaches. This book brings together a group of international experts who have studied specific aspects of certain rheumatic diseases and have a wide knowledge regarding the pathophysiology, diagnosis and management of rheumatic disorders. It deals with certain aspects of rheumatology and presents its readers with some useful researches conducted in this field.



Mary Kellar

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Hardback

Rheumatology



Mary Kellar

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Year 2015
Book Size: 6"x9"
380pp./Colored
Hardback

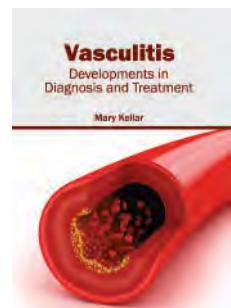
Treatment of Rheumatoid Arthritis

Rheumatoid Arthritis (RA) is a chronic progressive disease. The aim of this book is to present updated, interesting, and thought-provoking outlooks on several aspects of research regarding available and potential treatments for rheumatoid arthritis. This book consists of state-of-the-art information contributed by veteran researchers in the field of rheumatology from across the planet. It intends to serve as a valuable reference and source of potential fields of investigation for research scientists engaged in the field of rheumatoid arthritis and other inflammatory arthropathies.

Rheumatology

Vasculitis: Developments in Diagnosis and Treatment

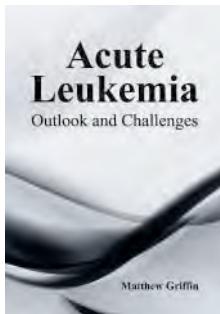
Latest information regarding the treatment as well as diagnosis of the disease of vasculitis has been illuminated in this profound book. Vasculitis is an inflammatory disease which affects the blood vessels. It can be idiopathic or secondary to other conditions. Infections may also resemble idiopathic vasculitis, and the differential diagnosis requires principal attention from the practicing physicians. Vasculitides are common diseases. Moreover, few vasculitides like ANCA-associated vasculitis, giant cell arteritis, and, cutaneous vasculitis are quite common in everyday practice. Vasculitis can result in failure of organs in patients and prove to be fatal. Hence, it should be diagnosed as soon as possible by physicians of varying specialties for a timely decision on appropriate treatment method.



Mary Kellar

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Oncology



Matthew Griffin

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\$159.00 US
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Book Size: 6"x9"
443pp./Colored
Hardback

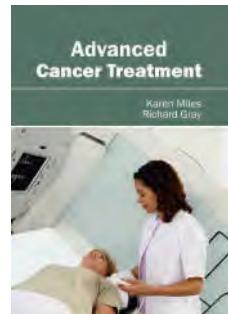
Acute Leukemia: Outlook and Challenges

Acute leukemia refers to serious medical conditions related to cancerous growth of white blood cells. This book gives a broad overview of the elementary mechanisms underlying the extent of acute leukemia, current development, and future prospects in the management of this disease. The book talks about a categorization of acute leukemia, while considering the diagnoses reliant on methods that are crucial, and easily accessible, in the laboratory. It also discusses current advances in molecular biology, markers, receptors, and signaling molecules accountable for disease progression, diagnostics built upon biochips and other molecular genetic analysis. These developments equip clinicians with essential understanding and enhanced decision-making towards the most appropriate therapy for acute leukemia. This book also includes pediatric acute leukemia, highlighting that children are not small adults when we talk about drug development. It also covers the topics like treatment of the disease, as chemotherapy-induced toxicity is yet an important clinical matter.

Oncology

Advanced Cancer Treatment

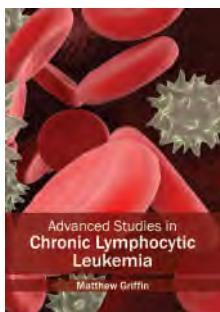
There are many modern techniques and mechanisms available for use in cancer treatment today. This reflects that an ultimate treatment has not yet been found, and it needs more time and research to develop more effective methods for cancer treatment. This book will serve not just physicians but also patients with an overview on new research and developments in this area. This book is a comprehensive and valuable account discussing various therapeutic methods in cancer treatment comprising of some rare classic treatment approaches like treatment of metastatic liver disease of colorectal origin, breast and ovarian cancer treatment, radiation treatment of skull and spine chordoma, changing the face of adjuvant therapy for early breast cancer and laser photo chemotherapy as an alternative treatment.



Karen Miles
Richard Gray

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Oncology



Matthew Griffin

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Book Size: 6"x9"
212pp./Colored
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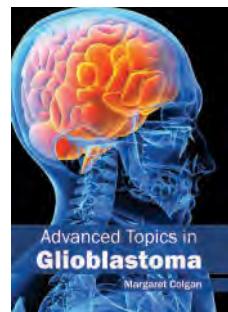
Advanced Studies in Chronic Lymphocytic Leukemia

Chronic Lymphocytic Leukemia (CLL) is a disease which has a variable course, and survival rates range from months to decades. It is evident that clinical heterogeneity represents biologic variety with two main subtypes in terms of cellular multiplication, clinical aggressiveness and predictability. As CLL progresses, irregular hematopoiesis leads to pancytopenia and decreased immunoglobulin creation, followed by nonspecific symptoms such as fatigue or malaise. A cure is tough to find in normal cases and postponed treatment (until symptoms develop) is aimed at lengthening life and eliminating symptoms. Experts are playing a crucial role in studying CLL's main source and the role of genetics in the development of this disorder. Research programs are devoted towards comprehending the essential mechanisms underlying CLL with the hope of enhancing treatment options. The book entails a detailed analysis of CLL prognosis and therapy.

Oncology

Advanced Topics in Glioblastoma

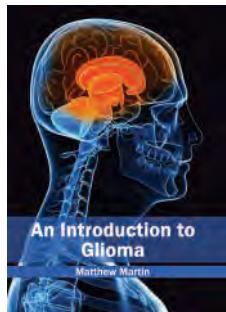
This book provides an overview of current knowledge and discusses some of the unexplored issues in the research regarding glioblastoma. It includes important topics such as biology, imaging and therapies for glioblastoma. The book will be useful as a reference for students as well as experts dealing with the above stated topic.



Margaret Colgan

ISBN: 978-1-63241-021-4
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Oncology



Matthew Martin

ISBN: 978-1-63241-043-6
\$115.00 US
Year 2015
Book Size: 6"x9"
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Hardback

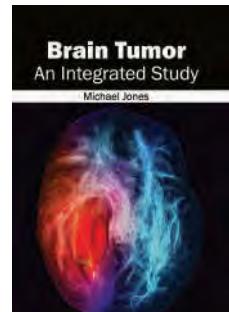
An Introduction to Glioma

The title of this book is in itself suggestive about the content it covers. It discusses molecular and cell biological aspects of origin and development of glioma, experimental model aspects and systems used for the purpose of diagnosing and treating this anomaly. We hope that this book will provide supportive and relevant information for further understanding the crucial advances in this discipline by experts from various fields associated with glioma.

Oncology

Brain Tumor: An Integrated Study

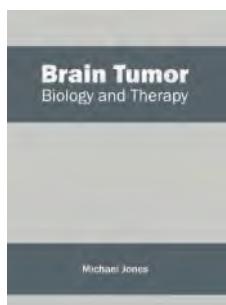
In the past few years, a remarkable increase in knowledge of microscopic study of brain tumors has been witnessed. Treatments like angiogenesis and immunotherapy have also been tagged important. Along with this, new pathways leading to detailed study and importance of stem cells and microRNAs have been made. Detailed information about the reaction of tumors to chemotherapy and radiation therapy has been provided. Tumors, which are a challenge to humankind, can be combated with these new effectual regimen methods. This book provides an insight into up-to-date information related to novel anticancer agents, MicroRNAs, pediatric brain tumors, radio resistance of brain tumors and stem cells.



Michael Jones

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Year 2015
Book Size: 6"x9"
215pp./Colored
Hardback

Oncology



Michael Jones

ISBN: 978-1-63241-065-8
\$159.00 US
Year 2015
Book Size: 6"x9"
439pp./Colored
Hardback

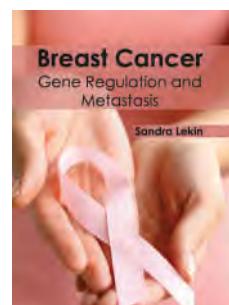
Brain Tumor: Biology and Therapy

A remarkable increase in knowledge of microscopic study of brain tumors has been witnessed in the recent times. Detailed information about the reaction of tumors to chemotherapy and radiation therapy has been provided. Tumors, which are a challenge to humankind, can be combated with these new effectual regimen methods. This book provides an insight into up-to-date information related to prior mentioned topics and latest information about a lot of new therapeutic treatments, while laying an emphasis on molecular targeted therapies.

Oncology

Breast Cancer: Gene Regulation and Metastasis

Commonly known to occur in women, breast cancer can also occur in men. Cancer is the principal reason of death in the majority of countries and it results in enormous financial, societal and mental burden. Breast cancer is the most diagnosed kind of cancer and the foremost reason of death due to cancer amongst women. This book deals with various aspects of breast cancer. It discusses topics related to gene regulation and metastasis of breast cancer. It intends to help students and experts in gaining more knowledge regarding the topic.



Sandra Lekin

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\$124.95 US
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Book Size: 6"x9"
308pp./Colored
Hardback

Oncology



Sandra Lekin

ISBN: 978-1-63241-067-2
\$90.00 US
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Book Size: 6"x9"
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Breast Cancer: New Frontiers and Cell Death

An elucidative account on the topic of breast cancer and its novel frontiers as well as cell death has been examined in this book. This book is a compilation of interesting findings by several renowned investigators related to breast cancer. It elucidates new mechanisms of cell death in breast cancer and sheds light on new pathways for therapeutic targeting.

Oncology

Breast Cancer: Tumor Microenvironment and Biology

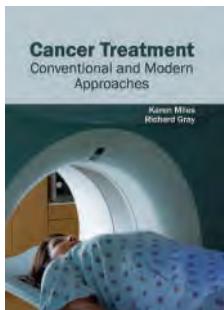
The causes of cancer are diversified. Cancer is the principal reason of death in the majority of countries and it results in enormous financial, societal and mental burden. Breast cancer is the most diagnosed kind of cancer and the foremost reason of death due to cancer amongst women. This book deals with various aspects of breast cancer. It discusses topics related to breast cancer cell lines, classification of tumors and stem cells. It also elucidates the microenvironment of breast cancer. It intends to help students and experts in gaining more knowledge regarding the topic.



Sandra Lekin

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Oncology



Karen Miles
Richard Gray

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\$124.95 US
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Book Size: 6"x9"
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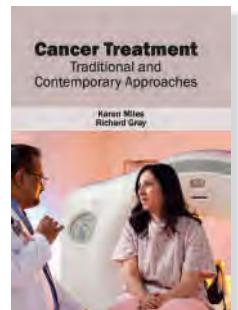
Cancer Treatment: Conventional and Modern Approaches

Currently, there is an increase in the use of modern techniques and mechanisms for cancer treatment. However, an ultimate treatment has not yet been found, and it needs more time and research to develop more effective methods for cancer treatment. This book will serve not just physicians but also patients with an overview on new research and developments in this area. This book is a comprehensive and valuable account discussing various therapeutic methods in cancer treatment comprising of new modalities of cancer therapy like xenovaccinotherapy for cancer; antiangiogenic treatment concepts in gynecologic oncology; NKG2D-based cancer immunotherapy; photodynamic therapy in combination with antiangiogenic approaches; and electrotherapy on cancer experiment and mathematical modeling.

Oncology

Cancer Treatment: Traditional and Contemporary Approaches

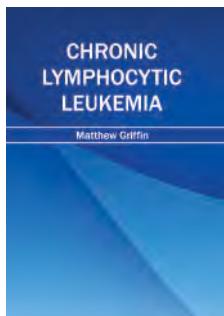
This book is a one-stop source of information on current cancer treatments, providing readers with the necessary background to interpret latest information available on evolving alternative treatments. This reflects that an ultimate treatment has not yet been found, and it needs more time and research to develop more effective methods for cancer treatment. This book will serve not just physicians but also patients with an overview on new research and developments in this area. This book is a comprehensive and valuable account discussing various therapeutic methods in cancer treatment comprising of alternative cancer therapy modalities such as cytotoxic plants: potential use in prevention and treatment of cancer; the evolving role of tissue biospecimens in cancer treatment; and usefulness of physiotherapy techniques in breast cancer patients.



Karen Miles
Richard Gray

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Matthew Griffin

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\$124.95 US
Year 2015
Book Size: 6"x9"
260pp./Colored
Hardback

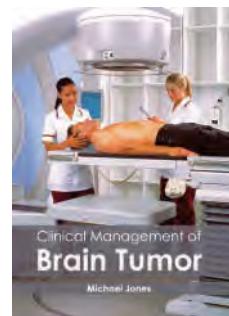
Chronic Lymphocytic Leukemia

B-cell Chronic Lymphocytic Leukemia (CLL) is a disease which has a variable course, and survival rates range from months to decades. It is evident that clinical heterogeneity represents biologic variety with two main subtypes in terms of cellular multiplication, clinical aggressiveness and predictability. As CLL progresses, irregular hematopoiesis leads to pancytopenia and decreased immunoglobulin creation, followed by nonspecific symptoms such as fatigue or malaise. A cure is tough to find in normal cases and postponed treatment (until symptoms develop) is aimed at lengthening life and eliminating symptoms. Experts are playing a crucial role in studying CLL's main source and the role of genetics in the development of this disorder. Research programs are devoted towards comprehending the essential mechanisms underlying CLL with the hope of enhancing treatment options. The book discusses CLL biology and microenvironment, and CLL animal models.

Oncology

Clinical Management of Brain Tumor

An escalating interest in the molecular biology of brain tumor has led to the development of new therapeutic methods for the patients suffering from this disease. This book provides an analysis of all the medical care available for brain tumor patients and also, recent developments in the technique of radiology used for pre-operative and surgical processes. In addition, latest advances in chemotherapy and emerging technology of photodynamic therapy and consecutive cures have also been presented. The management of some related problems and disorders like brain metastases and tumor induced epilepsy has also been discussed in the book.



Michael Jones

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Oncology



Owen Abraham

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\$145.95 US
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Book Size: 6"x9"
324pp./Colored
Hardback

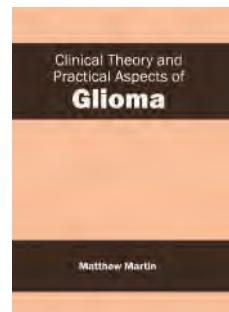
Clinical Management of Pancreatic Cancer

The disease in which cancer cells develop in the glandular organ situated behind the stomach, known as pancreas, is referred to as Pancreatic Cancer. The treatment, clinical processes and risk factors related to the severe disease of pancreatic cancer have been discussed in this book. It elucidates the biomarkers, genetic risk factors and systems biology of the disease for its better comprehension. Since pancreatic cancer is often linked with lack of early detection or prognosis markers, this book elucidates genetic makers and stem cells to recognize this disease in its initial stages. Furthermore, it describes the efficiency and adequacy of mono-therapy and combination therapy in fighting this acute disease. Due to rise of immunotherapy as an efficient approach for stemming the progression of pancreatic cancer, this profound book encompasses several aspects of immunotherapy including adaptive, passive, innate, active and bacterial approaches. Management of anesthesia during surgery and postoperative pain has also been elaborated.

Oncology

Clinical Theory and Practical Aspects of Glioma

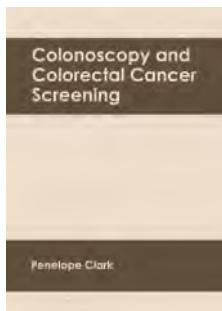
The title of this book is in itself suggestive about the content it covers. It discusses glioma progression, immunology, glioma model and culture systems, oxidative stress in glioma and experimental approach to glioma therapeutics. We hope that this book will provide supportive and relevant information for further understanding the crucial advances in this discipline by experts from various fields associated with glioma.



Matthew Martin

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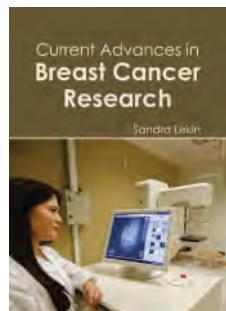
Penelope Clark

ISBN: 978-1-63241-092-4
\$124.95 US
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287pp./Colored
Hardback

Colonoscopy and Colorectal Cancer Screening

A descriptive and sophisticated introduction to colonoscopy and colorectal cancer screening has been provided in this comprehensive book. The cases of colorectal cancer (CRC) are increasing worldwide. However, colorectal cancer occurs due to a precursor lesion (adenoma) which is curable and removable. This is used as the principle for CRC screening so as to diagnose it at initial stage, even better if it's at adenoma stage. In relation with this context, colonoscopy has emerged as the technology which helps diagnose cancer and prevent it. This book would provide readers with knowledge regarding implementation of screening program, detection and treatment of lesions, application of colonoscopy and also the use of latest technology in the therapeutic process.

Oncology



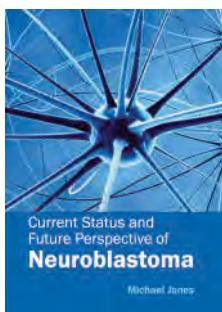
Sandra Lekin

ISBN: 978-1-63241-098-6
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Book Size: 6"x9"
444pp./Colored
Hardback

Current Advances in Breast Cancer Research

Scientists all over the world are researching the causes of breast cancer. In the past few years, it has become pretty apparent that breast cancer encompasses a number of molecularly separate tumors emerging from the epithelial cells of the breast. There is a vital need to comprehend these separate subtypes and build up modified diagnostic procedures and treatments suitable to each. This book considers breast cancer from a lot of original standpoints. New developments in the essential biology of breast cancer are discussed jointly with high throughput approaches to molecular profiling. Modern techniques for analysis and imaging are presented along with evolving perspectives on breast cancer treatment. This book includes contributions from prominent experts in their fields and will be beneficial for readers interested in learning more about breast cancer.

Oncology



Michael Jones

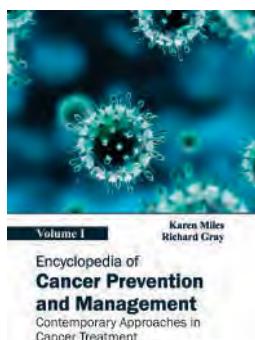
ISBN: 978-1-63241-105-1
\$155.00 US
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Book Size: 6"x9"
381pp./Colored
Hardback

Current Status and Future Perspective of Neuroblastoma

Neuroblastoma is composed of biologically varied tumors. This book provides an extensive analysis into the current prevalence of the disease and its future treatment modalities. Genomic/molecular properties exclusive to the specific tumors firmly link to the clinical results of patients. Formulation of risk stratification models post the analysis of biological characteristics of every case has resulted in huge success in patient management. Nevertheless, the trend of enhancing survival rates in this disease over the past 30 years has begun to level off, and presently available treatment options have nearly reached their maximized intensity. Moreover, aggressive treatment causes serious morbidities to the survivors. The book encompasses valuable data and insights from the world's experts in this field. It will serve as a great source of reference for all the investigators working hard and struggling for the children affected by this disease.

Medical Science

Oncology



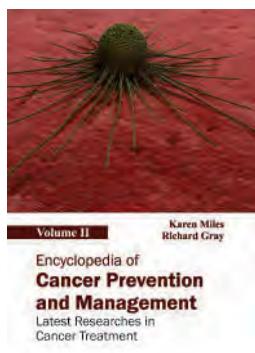
**Karen Miles
Richard Gray**

ISBN: 978-1-63241-126-6
\$155.00 US
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Book Size: 6"x9"
396pp./Colored
Hardback

Volume I

Encyclopedia of Cancer Prevention and Management: Contemporary Approaches in Cancer Treatment

This book is an array of various aspects of cancer treatment and its analysis, compiled by a team of experts from all around the world. Pharmacological approaches, radiotherapy, chemotherapy and immunotherapy are some of these topics. The ultimate objective of this book is to highlight the issues involved in fighting cancer and provide insights about the mechanism involved in disease control and treatment. These efforts will together help in improving the methods adopted for welfare of patients who fight a daily battle against this fatal disease. The book would serve as an important reference for students and clinicians.



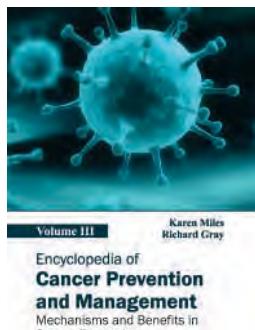
**Karen Miles
Richard Gray**

ISBN: 978-1-63241-127-3
\$115.00 US
Year 2015
Book Size: 6"x9"
237pp./Colored
Hardback

Volume II

Encyclopedia of Cancer Prevention and Management: Latest Researches in Cancer Treatment

This book discusses various aspects of cancer treatment and its analysis, compiled by a team of experts from various parts of the world. Supportive care for patients, multidisciplinarity in cancer therapy; nutrition and beyond, perspectives in cancer biology and modeling are some of the topics covered. The ultimate objective of this book is to highlight the issues involved in fighting against cancer and provide insights about the mechanism involved in disease control and treatment. These efforts will together help in improving the methods adopted for welfare of patients who fight a daily battle against this fatal disease. The book would serve as an important reference for students and clinicians.



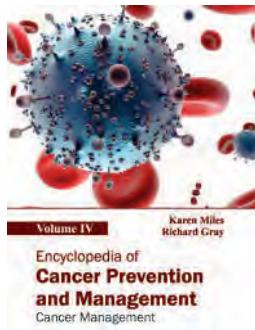
**Karen Miles
Richard Gray**

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490pp./Colored
Hardback

Volume III

Encyclopedia of Cancer Prevention and Management: Mechanisms and Benefits in Cancer Prevention

Information regarding cancer, its prevention as well as management has been illuminated in this book. The book is an array of research reports compiled by specialists in various fields of cancer prevention for different type of cancers. It provides an overview about new ideas and recent advancements in the realms of molecular mechanisms for prevention of cancer, epidemiological studies, antioxidant cures and diets along with clinical facets of cancer. This book would be of great help to PhD students, biologists, doctors and professionals who are interested in studying about cancer prevention and treatment.



**Karen Miles
Richard Gray**

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Volume IV

Encyclopedia of Cancer Prevention and Management: Cancer Management

Cancer aggravates by the unregulated multiplication of cells. Cancer is considered to be one of the most severe diseases across the globe. It remains a major clinical challenge as a cause of death due to its repeated poor prognosis and restricted treatment options in several cases. This book addresses several topics associated with cancer management inclusive of the novel approaches of early cancer diagnosis and advanced anti-cancer therapeutic techniques. This book is a compilation of studies and reviews contributed by veterans from distinct parts of the world to provide the most updated knowledge on cancer management.

Medical Science

Oncology



**Karen Miles
Richard Gray**

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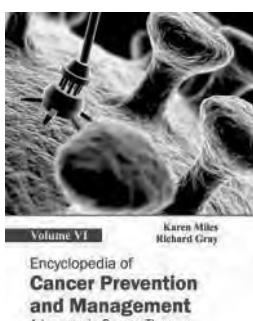
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Richard Gray**

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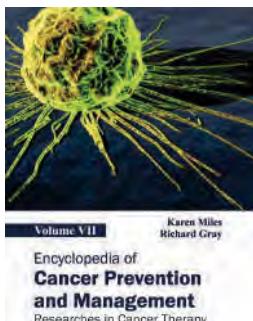
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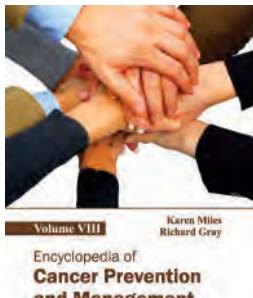
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**Karen Miles
Richard Gray**

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\$124.95 US

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292pp./Colored

Hardback

Volume V

Encyclopedia of Cancer Prevention and Management: Advances in Cancer Management

This book provides an overview of current knowledge and discusses some of the unanswered questions at the forefront of the research in cancer management. Cancer is now the most frequent reason of death in the world. Nowadays, because of early identification, improved handling and superior life expectancy, a lot of cancer patients normally live a long and healthy life. This book presents recent advances in diagnosis and treatment of precise cancers. Evidence based approaches in the selection of cancer treatment and significant laboratory advancements can be used to identify new protein biomarkers of cancers in diagnosis and to estimate the precision of the treatment.

Volume VI

Encyclopedia of Cancer Prevention and Management: Advances in Cancer Therapy

This book is a collection of cancer prevention researches across the globe. The advances as well as researches in cancer therapy are described in this all-inclusive book. This book aims to provide the clinicians and scientists with a descriptive analysis of the state of present knowledge and latest research findings in the field of cancer therapy. The text includes new modalities of cancer treatment and cancer signaling, mechanisms and targeted therapy for clinical investigations and are believed to enhance the readers' understanding of cancer therapy advancements or/and to keep them updated with the current progresses in this field. This book will serve as a valuable source of information for physicians, researchers as well as patients.

Volume VII

Encyclopedia of Cancer Prevention and Management: Researches in Cancer Therapy

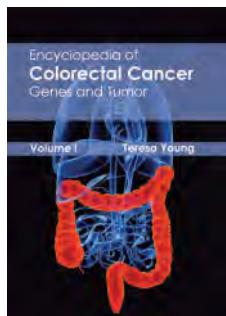
This book offers an in-depth understanding of cancer, its prevention and management. The advances as well as researches in cancer therapy are described in this all-inclusive book. This book aims to provide the clinicians and scientists with a descriptive analysis of the state of present knowledge and latest research findings in the field of cancer therapy. It includes sections on anticancer plants, inflammation, immune system and cancer, and diagnostic technologies. The book is believed to enhance the readers' understanding of cancer therapy advancements or/and to keep them updated with the current progresses in this field. This book will serve as a valuable source of information for physicians, researchers as well as patients.

Volume VIII

Encyclopedia of Cancer Prevention and Management: Cancer Survivorship

Cancer has now become the leading cause of death across the globe. In the United States, one out of two men and one out of three women are diagnosed with a non-skin cancer in their entire life. Cancer patients are now surviving longer than they ever did. For example, five-year survival for breast cancer is 98% on early detection, and it is around 84% in patients with regional disease. Nevertheless, the diagnosis and treatment of cancer is extremely difficult to endure. Cancer patients frequently suffer from depression, physical dysfunctions, pain, fatigue, disfigurement, frequent visits to hospitals, financial burden of diagnosis and numerous tests and processes with probability of treatment complexities. The book elucidates several methods that can help cancer patients to look, feel and become healthier; deal with particular symptoms like arm swelling, shortness of breath, hair loss and enhance their fertility, sexuality and intimacy.

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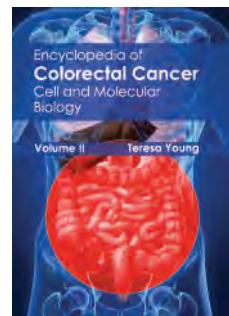
Teresa Young

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Encyclopedia of Colorectal Cancer: Genes and Tumor Volume I

The cases of colorectal cancer are increasing worldwide. The researches and studies in this field would be helpful to provide some efficient therapeutic measures for colorectal cancer. This book presents some basic steps being taken in order to understand and diagnose this disease. This book discusses the analysis done by scientists on the data and evidences available related to genes, infections related to colorectal cancer and other factors. The escalating research and study into the aspects of genes and genetic background associated with colorectal cancer cellular, the molecular biochemical involved in colorectal carcinogenesis and tumor progression and its complexities have been described in the book. This text is a valuable account of information for scientists, researchers and medical professionals engaged in this field.

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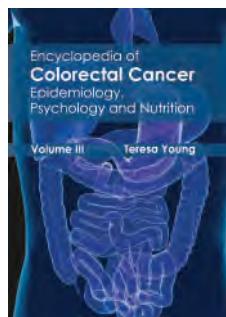
Teresa Young

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Encyclopedia of Colorectal Cancer: Cell and Molecular Biology Volume II

Colorectal cancer is a major killer as the cases are increasing worldwide. The researches and studies in this field would be helpful to provide some efficient therapeutic measures for colorectal cancer. This book presents some basic steps being taken in order to understand and diagnose this disease. This book discusses the analysis done by scientists on the data and evidences available related to genes, infections related to colorectal cancer and other factors. A study of cell and molecular biology, examining the tumor microenvironment and the role of intestinal microbes and host-microbial interactions has been described in the book. This text is a valuable account of information for scientists, researchers and medical professionals engaged in this field.

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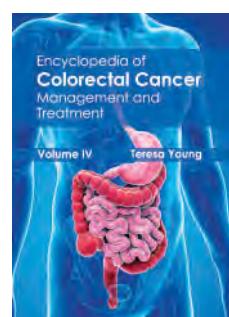
Teresa Young

ISBN: 978-1-63241-136-5
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Book Size: 6"x9"
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Hardback

Encyclopedia of Colorectal Cancer: Epidemiology, Psychology and Nutrition Volume III

Colorectal cancer is one of the most common cancers found in many parts of the world. The challenges and mortality that this disease accompanies, call for better and improved methods for patient care and treatment. This book presents the essential work that scientists and experts have done in this field covering patient care methods, the disease epidemiology, psychology and nutrition. This book provides a valuable and rich account of information to students, clinicians and medical professionals.

Oncology



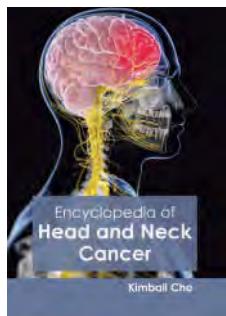
Teresa Young

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Book Size: 6"x9"
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Encyclopedia of Colorectal Cancer: Management and Treatment Volume IV

The challenges and mortality that colorectal cancer accompanies, calls for better and improved methods for patient care and treatment. This book presents the essential work that scientists and experts have undertaken in this field covering patient care methods, diagnostic approaches, novel therapies and preventions. It also sketches the biological and clinical content which is substantial for the scientists working on basic cellular activity in colorectal cancer. This book provides a valuable and rich account of information to the students, clinicians and medical professionals.

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Kimball Cho

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443pp./Colored

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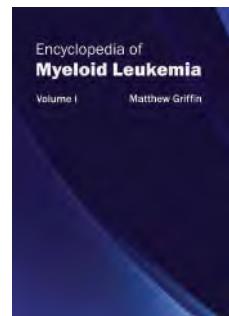
Encyclopedia of Head and Neck Cancer

Head and neck cancer is a severe disease basically described as the cancer that arises in the head or neck region. This book presents an interesting and extensive outline of major features of head and neck cancer including an introduction of the disease, basic science characteristics pertaining to the disease, diagnosis, treatment and result for patients with this disease. This book is a collective effort of renowned specialists from across the world. It encompasses the complete domain of head and neck oncology and also discusses regional disparity, improvements in basic science understanding, developments in radiotherapy, chemotherapy and targeted agents. It also emphasizes on reconstruction, prostheses, and characteristics of quality of life and health results. This book will surely come in handy and expansive for physicians engaged in the treatment of this complicated disease.

Oncology

Encyclopedia of Myeloid Leukemia: Volume I

This book is a contribution by various experts from around the world, including America, Europe, Africa and Asia who have worked in the fields of myeloid cell biology and myeloid leukemia pathogenesis. The book aims to provide reviews about new developments in the fields of basic science of acute myeloid leukemia (AML) and chronic myeloid leukemia (CML). This book includes the particulars of leukemia biology and pathogenesis and presents a comprehensive summary of the research activities in the same field.



Matthew Griffin

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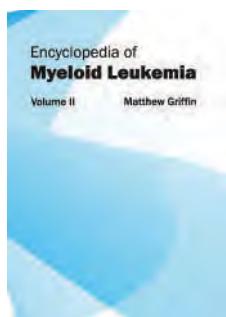
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Oncology



Matthew Griffin

ISBN: 978-1-63241-172-3

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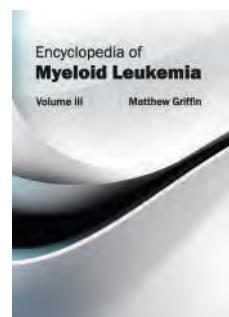
Encyclopedia of Myeloid Leukemia: Volume II

This book is a contribution by various experts from around the world, including America, Europe, Africa and Asia who have worked in the fields of myeloid cell biology and myeloid leukemia pathogenesis. The book aims to provide reviews about new developments in the fields of basic science of acute myeloid leukemia (AML) and chronic myeloid leukemia (CML). This book includes the particulars of leukemia biology and pathogenesis and presents a comprehensive summary of the research activities in the same field.

Oncology

Encyclopedia of Myeloid Leukemia: Volume III

This book is a contribution by various experts from around the world, including America, Europe, Africa and Asia who have worked in the fields of diagnosis and treatment of myeloid leukemias. The book aims to provide reviews on the clinical features of acute myeloid leukemias (AML) and chronic myeloid leukemias (CML). This book includes the particulars of myeloid leukemia epidemiology, diagnosis, risk stratification and management. This book will be beneficial for hematologists along with physicians in training and students in similar fields.



Matthew Griffin

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\$145.95 US

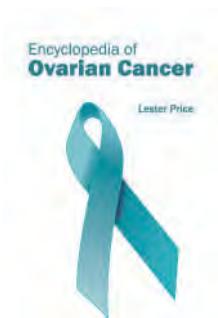
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Oncology



Lester Price

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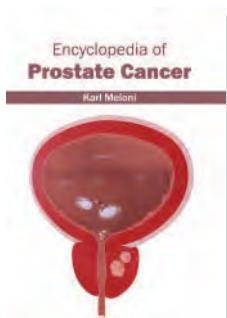
Encyclopedia of Ovarian Cancer

Research-focused detailed information regarding ovarian cancer has been illustrated in this descriptive book. Ovarian cancer accounts for more deaths across the world than the rest of the gynecologic diseases put together. Researchers and scientists from across the globe have reviewed the essential biological and basic science aspects associated with ovarian cancer. This book elucidates the molecular biological characteristics of the disease and also highlights molecular biology methodologies for the purpose of comprehending this cancer. These techniques have been formulated with the purpose of characterizing the tumor genetics, expression and protein function and describing the genetic mechanisms for optimization of immunotherapies. The book also discusses clinical and therapeutic perspectives associated with ovarian cancer and describes an overview of present research on aspects of malignant transformation, metastasis, and growth control. The aim of this book is to serve as a handy source of information for researchers, practitioners as well as students interested in acquiring advanced knowledge about this disease.

Oncology

Encyclopedia of Prostate Cancer

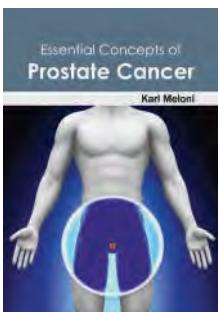
Prostate cancer is one of the most widespread types of cancer in men and its cure was limited to surgery for confined state and androgen ablation for advanced disease until new alternatives became accessible. This book talks about a broad spectrum of current research on appropriate cell biology and focuses in detail on supportive modalities for prostate cancer patients, adequate selection of new therapeutic regimens, inclusive of inhibitors of steroid synthesis, cytotoxic agents as well as intermittent androgen suppression and the functions of prostate cancer stem cells and inflammatory processes.



Karl Meloni

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Oncology



Karl Meloni

ISBN: 978-1-63241-215-7
\$145.95 US
Year 2015
Book Size: 6"x9"
314pp./Colored
Hardback

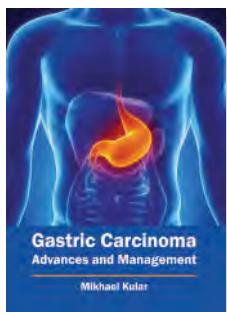
Essential Concepts of Prostate Cancer

This book throws light on a number of exciting discoveries made in the diagnosis and treatment of prostate cancer over the past decade. International experts have contributed to this book giving a descriptive and advanced review of essentials in diagnostics, methods in cancer biology and signaling pathways essential in prostate cancer. The book serves as a valuable resource for scientists and healthcare professionals related to this field. It is dedicated to the efforts and developments made by our scientific community, realizing we have a lot to learn in striving to cure this disease specifically among those with aggressive tumor biology.

Oncology

Gastric Carcinoma: Advances and Management

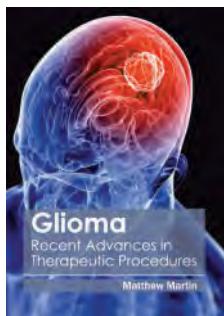
This book highlights the management as well as advances in gastric carcinoma. In various analyses of cancer-related deaths across the world, gastric cancer has been found to be the second most common form of cancer. This book highlights the evaluation of premalignant lesions, current management of early gastric cancer, risk and protective factors in gastric carcinogenesis. An elaborated description on morphologic classification, molecular changes and epigenetic alterations of this tumor has also been provided in this book. Furthermore, it provides insight into the recent operative and chemotherapeutic choices for gastric neoplasm. This text can be used as a pathway to future discoveries relating to carcinogenesis, genetic and epigenetic alterations, signaling pathways, H. pylori infections, the researches of defensive elements against gastric cancer and of profound treatments of this tumor.



Mikhael Kular

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Oncology



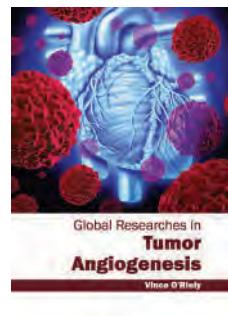
Matthew Martin

ISBN: 978-1-63241-230-0
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Year 2015
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Glioma: Recent Advances in Therapeutic Procedures

Glioma is a type of tumor which occurs in the brain and spine. This book presents an elaborate compilation of latest information and emerging possibilities for designing novel therapies for Glioma by an array of veterans ranging from cell biologists to neurosurgeons and oncologists. A broad spectrum of topics encompassing therapeutic strategies based on gene and drug therapy, cell signaling and surgical methodologies have been elucidated. This book offers an extraordinary opportunity for the readers to extend and advance their knowledge regarding the field.

Oncology



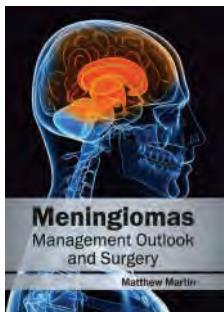
Vince O'Reilly

ISBN: 978-1-63241-233-1
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Global Researches in Tumor Angiogenesis

This book discusses the global researches in the field of tumor angiogenesis. Angiogenesis is an extension process of the cardiovascular system within human body. It is mostly instigated by the need for oxygen and nutrients by the fast growing tissue and uncontrollably dividing cells, as observed during wound healing and tumor progression. This book emphasizes on tumor angiogenesis and presents topics written by highly experienced scholars from different countries. The objective of this book is to provide readers with an insight into the molecular and cellular mechanisms of this biological process and to present new research directions for future therapeutic endeavors.

Oncology



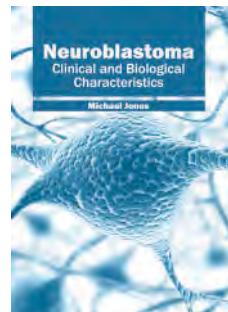
Matthew Martin

ISBN: 978-1-63241-277-5
\$84.95 US
Year 2015
Book Size: 6"x9"
147pp./Colored
Hardback

Meningiomas: Management Outlook and Surgery

Meningiomas is a tumor arising from meningeal tissue of the brain. This book caters to neurosurgeons who intend to enhance their knowledge on the contemporary techniques regarding meningiomas operation and management. It presents an account of up-to-date information on management of meningiomas. The content within this text is of excellent quality and presents the latest approaches for dealing with different aspects. The book emphasizes on specific constraints which are rarely encountered in the day to day routine of a neurosurgeon but pose serious challenges when discovered. This book discusses some of the most relevant aspects on the latest developments in meningioma surgery and management in a thorough and professional manner.

Oncology



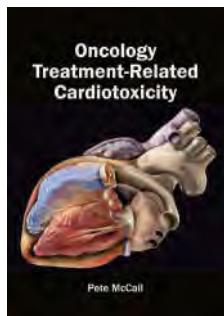
Michael Jones

ISBN: 978-1-63241-287-4
\$145.95 US
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Book Size: 6"x9"
309pp./Colored
Hardback

Neuroblastoma: Clinical and Biological Characteristics

The book sets out to present the facts and contradictions of neuroblastoma. Tumors of neuroblastoma group are heterogeneous and their genomic/molecular properties are intimately associated with the prognosis of patients; certain children enjoy a distinguished clinical course post the surgery/biopsy alone, and others face a catastrophic result even after a thorough treatment. Latest advancement has also begun unveiling crucial importance of cross-talking between neuroblastoma cells and their microenvironment in predicting clinical behaviors of individual cases. The biological and clinical characteristics of this disease are presented in this book by renowned investigators.

Oncology



Pete McCall

ISBN: 978-1-63241-304-8
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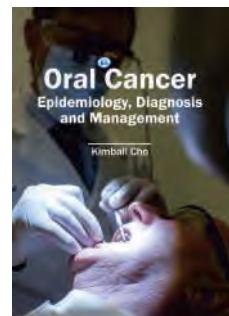
Oncology Treatment-Related Cardiotoxicity

Cancer has emerged as a major cause of death in the past few years. The likelihood of getting a cardiovascular syndrome or cancer escalates with age. Simultaneously, significant advancements in cancer therapy have resulted in the increase in quality of life and an increase in the survival rate of patients. As a consequence, there are increasing numbers of patients that experience the cardiac side effects of chemotherapy. The level of cardiotoxicity is variable, depending on the kind of drug used, amalgamation with other drugs, prior mediastinal radiotherapy and the existence of cardiovascular risk factors or history of heart disorders. Early discovery of the patient's tendency to develop cardiotoxicity plays a key role in decreasing morbidity and mortality. It also facilitates more modified therapeutic strategies. Hence, the association and interaction of cardiology and oncology may lead to a decrease in adverse cardiovascular effects. This book presents various aspects related to cardiotoxicity occurring due to cancer treatment.

Oncology

Oral Cancer: Epidemiology, Diagnosis and Management

This book brings about important researches in the field of oral cancer relating to its prognosis and treatment. Oral cancer is a crucial public health problem on a global scale and even though, the oral cavity is easily accessible, early diagnosis is still far behind the improved detection of cancers of the colon, melanoma, breast, and prostate. Consequently, death rate due to oral cancer for the last four decades has continued to be over 50% despite significant progresses in treatment modalities. This is contrasting against significant reduction in death rates due to cancers of colon, melanoma, prostate, and breast during the same period. The aim of this book is to serve as a useful source of reference on the etiologic/risk factors, management philosophies, progression indicators, present clinical diagnostic tools, and molecular biomarkers of oral cancer, thereby extensively elucidating this vast topic for interested readers.



Kimball Cho

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Oncology



Lester Price

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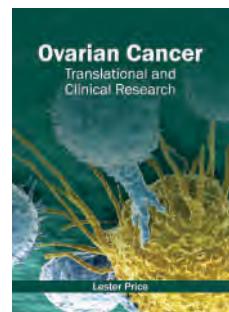
Ovarian Cancer

An introductory account based on ovarian cancer is provided in this book along with descriptive information. Ovarian cancer causes more deaths across the planet than all the other gynecologic diseases together. Crucial general and biologic science issues relevant to this disease have been discussed in this book by several international leaders. The book elucidates the molecular biological characteristics of the disease and highlights molecular biology methodologies for the purpose of comprehending this cancer. These techniques are formulated to demonstrate tumor genetics, protein function, and expression, and to describe the genetic mechanisms by which immunotherapies and gene may be developed. It describes an overview of present research into aspects of malignant transformation, metastasis, and growth control. A wide range of topics have been encompassed providing updated information on management considerations and scientific discoveries.

Oncology

Ovarian Cancer: Translational and Clinical Research

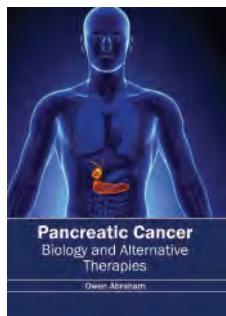
This is a research-focused book which discusses the translational as well as clinical research in the field of ovarian cancer. It encompasses the current developments in treatment and diagnosis of ovarian cancer. With a valuable integration of research works contributed by eminent experts in this field from across the globe, this book aims to provide its readers with an extensive update on the topic of epithelial ovarian cancer.



Lester Price

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Oncology



Owen Abraham

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447pp./Colored
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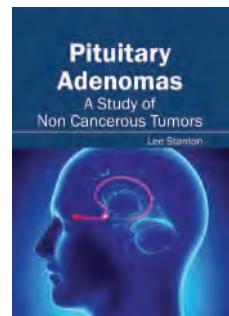
Pancreatic Cancer: Biology and Alternative Therapies

Pancreatic cancer is a disease in which cancer cells develop from a glandular organ situated behind the stomach known as pancreas. A thorough comprehension of the biology of pancreatic cancer, heredity, complex signaling pathways as well as alternate therapies has been presented in this book. It elucidates nutrigenomics and epigenetics mechanisms like DNA methylation, which can enable describing the etiology or progression of pancreatic cancer. It also outlines the molecular control of oncogenic pathways like KLF4 and K-Ras. Since this disease metastasizes to essential organs resulting in poor prognosis, particular stress has been laid on the mechanism of tumor cell metastasis and invasion. Detailed information regarding the role of Syk kinase and nitric oxide in tumor metastasis has also been presented. Preventive techniques against this disease have also been highlighted. The molecular mechanisms of the anti-cancer impacts of benzyl isothiocyanate, vitamin D and curcumin have also been described comprehensively in this extensive book. It also encompasses the fundamental mechanisms of resistance against this disease and chemotherapy drugs like 5-fluorouracil and gemcitabine.

Oncology

Pituitary Adenomas: A Study of Non Cancerous Tumors

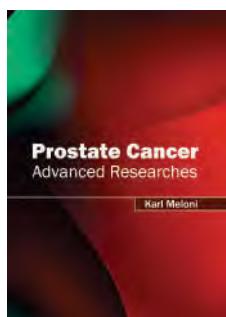
Non-cancerous tumors which occur in the brain are called pituitary adenomas. This book is a wholesome account on the most known pathology of the pituitary gland in the sellar region. Topics range from epidemiology, symptoms and signs, imaging, therapeutic approaches and outcome of the active and passive pituitary tumors. There are multiple therapeutic approaches comprising of medications, endoscopic transphenoidal and open surgeries, and radiosurgeries like gamma knife surgeries. Visible indications have significant and unique arrangements which have been discussed. Endocrine secretion is another trait in 40% of pituitary adenomas and has been discussed in the book. Stereotactic radiosurgery and endoscopic surgery have both grown over the past few years. Resultantly, they have been mentioned and exclusively conferred upon in this book.



Lee Stanton

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Oncology



Karl Meloni

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226pp./Colored
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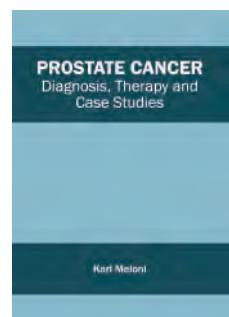
Prostate Cancer: Advanced Researches

This book on prostate cancer brings forth a number of exciting discoveries made in the diagnosis and treatment of prostate cancer over the past decade. International experts have contributed to this book giving a descriptive and advanced review of drug therapeutics essential in prostate cancer. It is dedicated to the efforts and developments made by our scientific community, realizing we have a lot to learn in striving to cure this disease specifically among those with aggressive tumor biology. The book serves as a valuable resource for scientists and healthcare professionals related to this field.

Oncology

Prostate Cancer: Diagnosis, Therapy and Case Studies

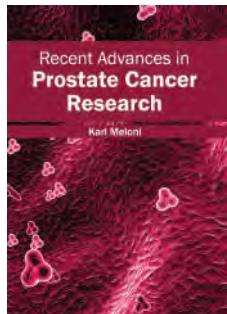
Prostate cancer is a serious health concern in men-related disorders across the globe. This book provides significant information regarding various crucial topics including diagnostic markers, therapeutic novelties, and cancer biology. It serves as an important resource for healthcare professionals and scientists devoted to the field of research on prostate cancer. It reflects important developments in this field over the past decade, serving as a facilitator for the removal of this potentially debilitating and fatal malignancy.



Karl Meloni

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Oncology



Karl Meloni

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336pp./Colored
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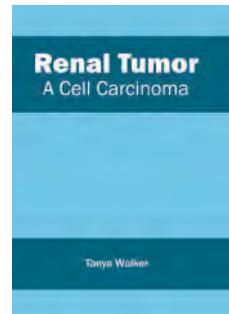
Recent Advances in Prostate Cancer Research

Prostate cancer is one of the most widespread types of cancer in men and its cure was limited to surgery for confined state and androgen ablation for advanced disease until new alternatives became accessible. This book talks about a broad spectrum of novel facets of the epidemiology of prostate cancer, the diagnosis, cure and patient care, radiation therapy and various other available medical treatments.

Oncology

Renal Tumor: A Cell Carcinoma

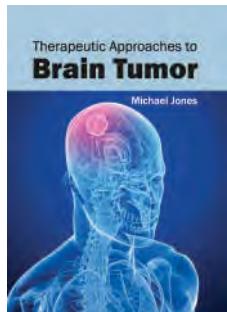
This is an important book which examines renal cell carcinoma. Integrating scientific developments and therapeutic innovations over the past decade, this book offers physicians treating kidney cancer and researchers with latest information related to the epidemiology, biology and treatment of renal cell carcinoma. The book is a compilation of contributions from experts in their respective fields across the world. Contributing specialists have presented reviews about current knowledge in the management of both metastatic and localized renal cell carcinoma and also the current advances in, imaging, immune dysfunction and molecular genetics associated with the diseases. Special emphasis has been laid on the biology of selected target molecules and several agents which inhibit these targets, covering topics devoted to pharmaceutical drugs that selectively inhibit receptor tyrosine kinases (axitinib and sunitinib).



Tanya Walker

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Oncology



Michael Jones

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Book Size: 6"x9"
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Hardback

Therapeutic Approaches to Brain Tumor

The book provides an overview and discusses some of the unanswered questions at the forefront of research in the molecular biology of brain tumor. As the escalating interest in the molecular biology has led to the development of new therapeutic methods for the patients suffering from this disease, this book provides an analysis of all the medical care available for brain tumor patients and also, recent advances in chemotherapy and emerging technology of photodynamic therapy and consecutive cures have also been presented. The management of some related disorders like central nervous system lymphoma and also problems during pregnancy, surgical management issues, and epidemiology of brain tumors etc. are discussed in the book.

Oncology

Tumor Angiogenesis

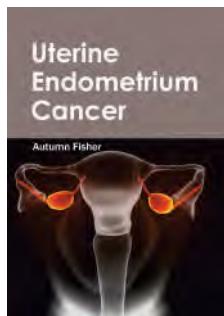
Extensive information regarding the topic of tumor angiogenesis has been compiled in this advanced book. Tumor angiogenesis is the procedure primarily responsible for the generation of new blood vessels that boost tumor development and metastasis. Tumor environment is distinguished by the imbalance between anti-angiogenic and pro-angiogenic agents, which directs the formation of several, albeit structurally damaged, vessels. These inadequately perfused and abnormal vessels considerably contribute to the tumor pathology not just by assisting the expansion of the tumor mass but also by boosting chronic inflammation, impeding drug delivery, developing thrombosis, and disseminating tumor cells. This book consists of a number of reviews covering a wide spectrum of recent topics regarding the pathology of tumor blood vessels which includes mechanisms inducing novel vessels, potential clinical use of latest anti-angiogenic therapies, and recognition of new targets for inhibition of tumor angiogenesis.



Vince O'Riely

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Autumn Fisher

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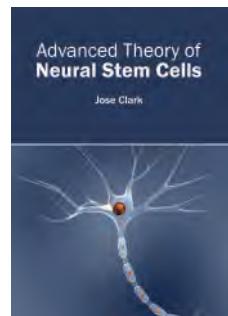
Hardback

Uterine Endometrium Cancer

This book discusses various aspects related to the management of endometrial carcinoma. It is a compilation of researches conducted by experts around the world. It offers comprehensive and detailed notes on the advancement in analysis and therapeutic techniques in this field of gynecologic cancer. The book gives insight into the biology and genetics, modern imaging, surgery and therapies of endometrial cancer. With this book we intend to help experts dealing with this field.

Stem Cell Research

Advanced Theory of Neural Stem Cells



José Clark

ISBN: 978-1-63241-018-4

\$124.95 US

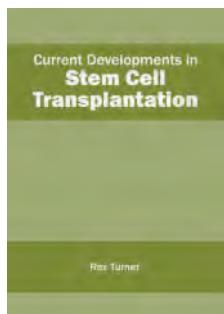
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Stem Cell Research



Rex Turner

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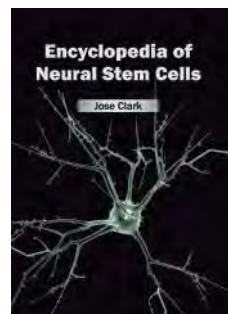
Hardback

Current Developments in Stem Cell Transplantation

This book presents a number of basic applications, outlook for the future and research related to stem cell. It encompasses a broad spectrum of matters in regenerative medicine and cell-based therapy, and consists of information on pre-clinical basis contributed by renowned authors associated with this field. It elucidates the basics of stem cell physiology, hematopoietic stem cells, mesenchymal cells, tissue typing, dendritic cells, neuroscience, endovascular cells and other tissues. Evidently, the continued use of biomedical engineering will rely greatly on stem cells, and this book is well designed to educate the readers by providing elaborate coverage of these advancements.

Stem Cell Research

Encyclopedia of Neural Stem Cells



José Clark

ISBN: 978-1-63241-174-7

\$159.00 US

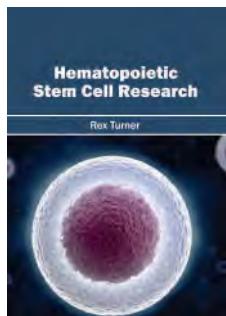
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Stem Cell Research



Rex Turner

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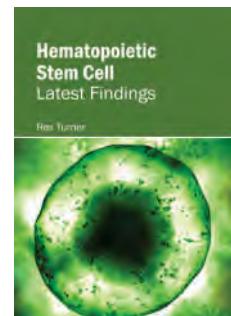
Hematopoietic Stem Cell Research

Researches are being conducted around the globe for a better understanding of hematopoietic stem cells. This book provides a complete analysis of the biology and healing possibilities of hematopoietic stem cells, and is meant for those involved in stem cell study. Beginning from primary principles in hematopoiesis, this book assembles a wealth of information related to central devices that may control separation and growth of hematopoietic stem cells in usual conditions and throughout disease. It discusses the properties and regulation factors of hematopoietic stem cells. The book compiles researches from renowned experts involved in this field.

Stem Cell Research

Hematopoietic Stem Cell: Latest Findings

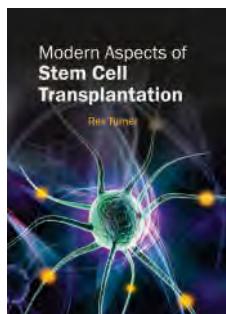
Hematopoietic stem cells have emerged as an area of advanced study. This book provides a complete analysis of the biology and healing possibilities of hematopoietic stem cells, and is meant for those involved in stem cell study. Beginning from primary principles in hematopoiesis, this book assembles a wealth of information related to central devices that may control separation and growth of hematopoietic stem cells in usual conditions and throughout disease. This book elucidates the functions of hematopoietic stem cells in aging and various other diseases. It also discusses diverse topics related to hematopoietic stem cell therapy. It compiles researches from renowned experts involved in this field.



Rex Turner

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Stem Cell Research



Rex Turner

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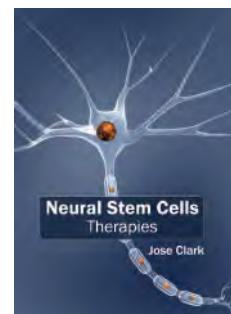
Modern Aspects of Stem Cell Transplantation

The book is primarily based on stem cell transplantation. It discusses new advances in the field of stem cell research, its primary and scientific functions and also the possibilities in coming days. This book has been written by renowned authors from across the globe with focus on the discoveries and growth of cell based treatments from both fundamental and clinical perspectives. This book highlights all the important topics of this field like immunogenetics, neuron replacement therapy, cover hematopoietic stem cells, issues of clinical context, advanced HLA typing, alternative donor sources and gene therapy using recent techniques in this field. It offers complete knowledge about the different malignancies and biomedical engineering which rely mainly on stem cells.

Stem Cell Research

Neural Stem Cells: Therapies

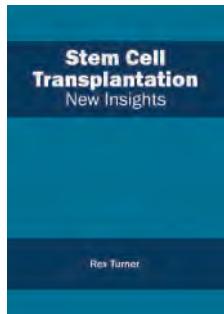
This book is a collection of research work by international veterans in the neural stem cell field and includes the characterization of adult and embryonic neural stem cells in both vertebrates as well as invertebrates. Specifically, this book provides techniques and also describes the challenges of employing neural stem cells for therapy of neurological disorders and spinal cord as well as brain injuries. It is intended for basic readers, doctors, students and researchers who are interested in comprehending the principles and novel discoveries in neural stem cells and therapy.



José Clark

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Stem Cell Research



Rex Turner

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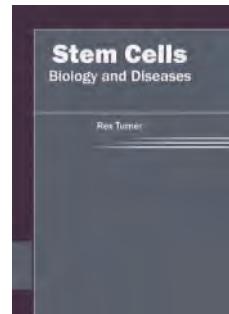
Stem Cell Transplantation: New Insights

This book provides an escalated number of clinical applications, its perspective for the future and research related to stem cell. It encompasses a broad spectrum of matters in regenerative medicine and cell-based therapy, and consists of information of clinical as well as preclinical basis contributed by renowned authors associated with this field. It elucidates the basics of stem cell physiology, matters regarding clinical complications, hematopoietic stem cells, and cryopreservation along with the description of the field of tissue engineering that uses latest techniques with stem cells. Evidently, the continued use of biomedical engineering will rely greatly on stem cells, and this book is well designed to educate the readers by providing elaborate coverage of these innovations.

Stem Cell Research

Stem Cells: Biology and Diseases

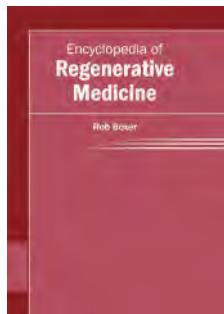
This book comprehensively discusses topics like biology and diseases related to the field of stem cells. Stem cells play an important role in our normal life as well as in the pathogenesis of disorders. Currently, these cells are clinically applicable in hematopoietic stem cell transplantation. However, a lot of work is still needed for expanding the application of these cells in many other disorders. For a secure and efficient application of these cells, better knowledge of their biology, their interaction with other cells (especially supporting niche cells), maturation, growth as well as their immigration in both normal and abnormal conditions is required. For the purpose of clinical applications too, better understanding of their safe manipulation and separation techniques is required. This book aims at clarifying a few major aspects of stem cell biology, their characteristics, assessment of damage to cells during ex-vivo manipulation as well as their role in a model of cancers (chronic myeloid leukemia).



Rex Turner

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Tissue Engineering and Regenerative Medicine



Rob Boxer

ISBN: 978-1-63241-198-3
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Year 2015
Book Size: 6"x9"
419pp./Colored
Hardback

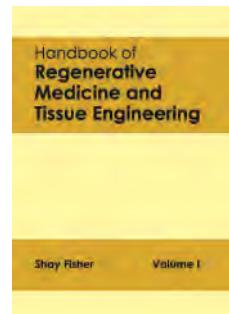
Encyclopedia of Regenerative Medicine

This book provides comprehensive information regarding the concept of regenerative medicine. Regenerative drug is a form of medicine used for recreating human cells or organs to restore ordinary functions. This field of medicine holds the assurance of regenerating injured organs in the body by replacing blemished tissue and by stimulating the body's own restore means to heal previously permanent tissues or organs. The historic origins of this medical discipline have even been evidenced in many cultures including Greek mythology. This book comprises of several aspects of regenerative medicine and even analyzes its advancements and its diverse functions.

Tissue Engineering and Regenerative Medicine

Handbook of Regenerative Medicine and Tissue Engineering: Volume I

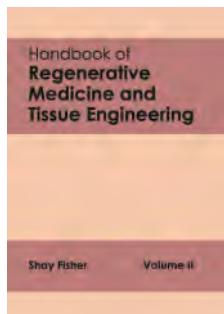
The basic concept of regenerative medicine and tissue engineering is intriguing for physicians and scientists as it involves healing tissues or organ defects that the present medical practice finds difficult or impossible to cure. Tissue engineering involves cells, materials methods and engineering supported by appropriate physiochemical and biological factors to enhance or replace biologic functions. Regenerative medicine is a new division of medicine which aims to change the course of chronic disease and regenerate failing organ systems lost due to damage, age, disease and congenital defects. This book reflects state-of-the-art of these two disciplines at this time, as well as their therapeutic application. It discusses various topics related to stem cells in regenerative medicines. This book will prove to be a reference for physicians, scientists and students and an explanatory analysis for individuals in pharmaceuticals and biotech companies.



Shay Fisher

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Tissue Engineering and Regenerative Medicine



Shay Fisher

ISBN: 978-1-63241-244-7
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Year 2015
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199pp./Colored
Hardback

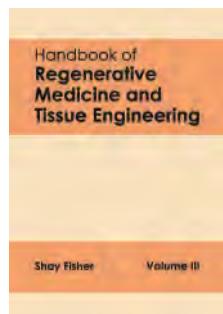
Handbook of Regenerative Medicine and Tissue Engineering: Volume II

The basic concept of regenerative medicine and tissue engineering is intriguing for physicians and scientists as it involves healing tissues or organ defects that the present medical practice finds difficult or impossible to cure. Tissue engineering involves cells, materials methods and engineering supported by appropriate physiochemical and biological factors to enhance or replace biologic functions. Regenerative medicine is a new division of medicine which aims to change the course of chronic disease and regenerate failing organ systems lost due to damage, age, disease and congenital defects. This book reflects state-of-the-art of these two disciplines at this time, as well as their therapeutic application. It discusses various topics under scaffolds and matrices. This book provides as a reference for physicians, scientists and students and as an explanatory analysis for individuals in pharmaceuticals and biotech companies.

Tissue Engineering and Regenerative Medicine

Handbook of Regenerative Medicine and Tissue Engineering: Volume III

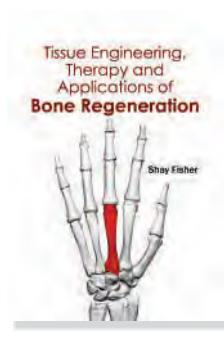
This book reflects state-of-the-art of regenerative medicine and tissue engineering, as well as their therapeutic application. The basic concept of regenerative medicine and tissue engineering is intriguing for physicians and scientists as it involves healing tissues or organ defects that the present medical practice finds difficult or impossible to cure. Regenerative medicine is a new division of medicine which aims to change the course of chronic disease and regenerate failing organ systems lost due to damage, age, disease and congenital defects. Tissue engineering involves cells, materials methods and engineering supported by appropriate physiochemical and biological factors to enhance or replace biologic functions. It discusses various topics like creation of tissues & organs and clinical perspective of tissue engineering & cell therapies. This book will prove to be a reference for physicians, scientists and students and an explanatory analysis for individuals in pharmaceuticals and biotech companies.



Shay Fisher

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Tissue Engineering and Regenerative Medicine



Shay Fisher

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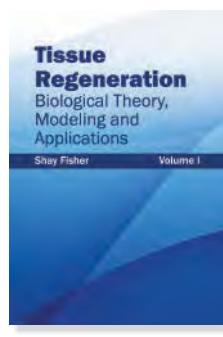
Tissue Engineering, Therapy and Applications of Bone Regeneration

This book aims to facilitate the advancement of tissue engineering. Bone is a specific connective tissue, characterized by its mineralized natural matrix that gives bone the physical properties that lets it take on load, support useful organs and defend sensitive body parts. Bone loss or damage may happen as a consequence of hereditary conditions, communicable diseases, tumors and trauma. Bone restoration includes an integrative procedure of natural tissue and living cells, and provides itself to the integration of naturally derived or biocompatible synthetic scaffolds intended at replacing absent or injured osseous tissues. The book discusses numerous procedures of bone renewal inclusive of tissue regeneration, bone grafting, etc. This book compiles various well conducted researches related to bone regeneration and will be beneficial for readers interested in this field.

Tissue Engineering and Regenerative Medicine

Tissue Regeneration: Biological Theory, Modeling and Applications Volume I

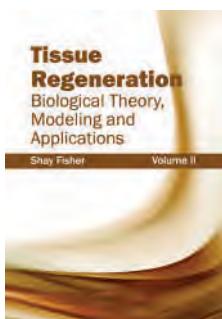
In a majority of incidents involving damage or injuries, the healing process involves formation of a scar, which is like a patch, reinstating structural integrity of the damaged tissue without reviving physiological functions. A far better option for a patient affected by tissue damage would be to replace the damaged tissue with something functionally similar. Increasing amount of study and research is being undertaken across the world in search for such a technology. This book provides a timely overview on crucial topics in tissue regeneration, in a well-researched manner, written by experts from around the globe. It facilitates a better understanding of normal healing and the methods of applying stem cells. This book will be a great source of reference for study and work undertaken by students, experts and medical professionals.



Shay Fisher

ISBN: 978-1-63241-372-7
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Year 2015
Book Size: 6"x9"
316pp./Colored
Hardback

Tissue Engineering and Regenerative Medicine



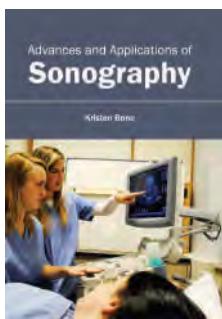
Shay Fisher

ISBN: 978-1-63241-373-4
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222pp./Colored
Hardback

Tissue Regeneration: Biological Theory, Modeling and Applications Volume II

In a majority of incidents involving damage or injuries, the healing process involves formation of a scar, which is like a patch, reinstating structural integrity of the damaged tissue without reviving physiological functions. A far better option for a patient affected by tissue damage would be to replace the damaged tissue with something functionally similar. Increasing amount of study and research is being undertaken across the world in search for such a technology. This book provides a timely overview on crucial topics in tissue regeneration, in a well-researched manner, written by experts from around the globe. It facilitates better understanding of the application of stem cells, uses of scaffolds and modelling and evaluation of regeneration. This book will be a great source of reference for study and work undertaken by students, experts and medical professionals.

Diagnostic Imaging



Kristen Bone

ISBN: 978-1-63241-023-8
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359pp./Colored
Hardback

Advances and Applications of Sonography

Medical sonography is a medical imaging technique employed across a number of medical disciplines. The use of this technique is rapidly growing due to its easy accessibility and relatively low cost. A number of high quality ultrasound imaging systems are available these days which are easily transportable, making it a diagnostic tool susceptible for bedside and office scanning. This book presents applications of sonography which can be practiced across many medical disciplines like urology, neurology, radiology, etc. Medical sonography plays a vital role in fields like rheumatology, thoracic medicine, obstetrics and fetal medicine. It provides information about traditional applications in medical sonography like testicular, biliary and breast sonography as well as sonography in early pregnancy. It also comprises of detailed accounts on interesting and advanced applications of sonography.

Diagnostic Imaging

Advanced Topics of Computed Tomography

This book offers in-depth description on advanced topics in the field of computed tomography. Computed tomography involves the use of computer processed x-rays for imaging of the scanned subject. It encompasses a wide range of topics including molecular imaging, development of articulation simulation system with the help of vocal tract model, etc. The aim of this book is to provide distinct information regarding the field of computed tomography to the readers. It will appeal to a great range of readers including researchers, scientists and even students who wish learn more about the technique of computed tomography.



**Advanced Topics of
Computed
Tomography**

Marcus Lewis

Marcus Lewis

ISBN: 978-1-63241-022-1
\$79.95 US
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Hardback

Diagnostic Imaging

Advances in Medical Imaging

Medical imaging holds great significance for medical intervention and clinical analysis. This book presents an account of the various applications of imaging modalities in specific clinical conditions. It has been compiled in an easy to read manner and brings together the experiences of reputed experts from across the globe. It provides an insight into the conventional techniques, advanced modalities and contemporary research efforts in the ever widening horizon of medical imaging. The topics covered in the book will be beneficial to students, radiologists and specialists involved in application and interpretation of various medical imaging procedures. It will be a treasured resource for researchers seeking to understand the scope of medical imaging in clinical practice.



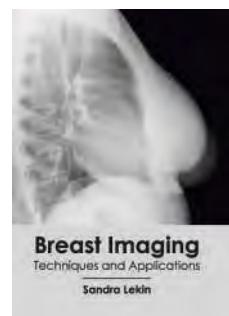
Thomas Jackson

ISBN: 978-1-63241-029-0
\$155.00 US
Year 2015
Book Size: 6"x9"
361pp./Colored
Hardback

Diagnostic Imaging

Breast Imaging: Techniques and Applications

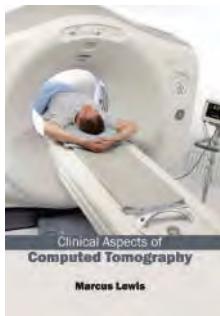
The techniques of breast imaging as well as their applications have been described in this book. The most effective way of treating breast cancer patients is early diagnosis of the disease and use of strong and focused remedy. This book highlights a vast spectrum of advanced scientific discoveries for increasing breast cancer espiel, its identification and its treatment. The book lays importance on growth in mammographic image quality, image analysis, magnetic resonance imaging of the breast and molecular imaging. The book also deals with focused treatment which brings the option of less radical postoperative cure for women with early, screen-detected breast cancers.



Sandra Lekin

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Diagnostic Imaging



Marcus Lewis

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356pp./Colored
Hardback

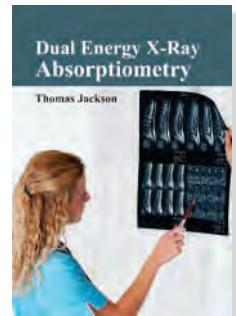
Clinical Aspects of Computed Tomography

The book offers an in-depth look at computed tomography and its clinical aspects. Computed tomography is a crucial imaging method in clinical practice, especially, multi-detector-row computed tomography (MDCT). It is an important non-invasive imaging device and has numerous advantages over other such devices. It was the first non-invasive imaging technique to examine internal human body not biased by superimposition of different anatomical structures. It was introduced in 1970s and since then, it has advanced and improved to a great extent. For instances, the introduction of helical systems has allowed the development of "volumetric CT" concept. This book deals with applications of CT not just in medical imaging but also in the fields of physics, archaeology and computer aided diagnosis. Also, in the past few years, anthropomorphic, forensic, paleontological and archeological applications of CT have emerged. Such applications make it a versatile diagnostic technology for non-destructive material testing and 3D imaging, beyond its medical use.

Diagnostic Imaging

Dual Energy X-Ray Absorptiometry

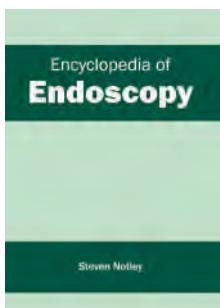
This book is a detailed and comprehensive medium helping students and researchers to understand dual energy x-ray absorptiometry (DXA). Dual-energy x-ray absorptiometry has been identified as the best densitometric technique for evaluating bone mineral density (BMD) in postmenopausal women by World Health Organization (WHO). It has based the definitions of osteopenia and osteoporosis on its results. DXA facilitates accurate diagnosis of osteoporosis, examination of fracture risk and taking care of patients undergoing treatment. Evaluation of BMD at multiple skeletal sites, screening vertebral fracture and body composition, including fat mass and lean soft tissue mass of the whole body and the segments are some of the supplementary features of DXA. This book contains reviews and original studies about DXA and its distinct applications in clinical practice and in medical research in several situations like assessment of morphological asymmetry in athletes, resting energy expenditure, study of dry bones such as the ulna etc.



Thomas Jackson

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Diagnostic Imaging



Steven Notley

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391pp./Colored
Hardback

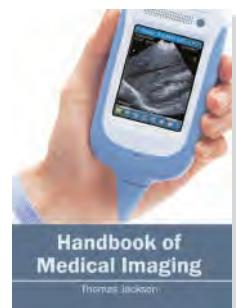
Encyclopedia of Endoscopy

Encyclopedic information regarding the procedure of endoscopy has been illuminated in this book. Endoscopy has played a vital role in the development of modern medicine and other medical specialties. The field of endoscopic procedure has evolved over the last decade. By using varied information, it has provided a better understanding regarding pathogenic mechanisms, description of new entities and applications for early detection, diagnostic procedures and therapeutic procedures. The benefits of various technical advances and modern endoscopic equipment have led to a dynamic evolution of endoscopy. Consequently, endoscopy has outweighed its function as just an examination tool and it has become a rapid and efficient therapeutic tool for various organs including gastrointestinal tract, head and neck, respiratory tract and others. This book is an evidence of the efficacy and usefulness of endoscopy.

Diagnostic Imaging

Handbook of Medical Imaging

Medical imaging is the technique, art and process of creation of visual representations of the body's interior section for clinical study and medical intervention. Current knowledge and practices related to medical imaging have significantly transformed from what existed a decade ago, right from the fundamentals, crucial breakthroughs to its potential of applications in the future. This book covers a wide horizon of topics which has engrossed the attention of medical imaging sciences; capturing the concept of medical diagnosis, digital information management and research. This book will serve as a valuable source of reference for radiologists, imaging specialists, physicists and researchers interested in various aspects of imaging.

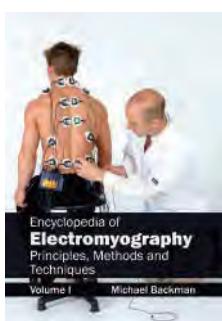


Thomas Jackson

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Hardback

Medical Science

Diagnostic Imaging



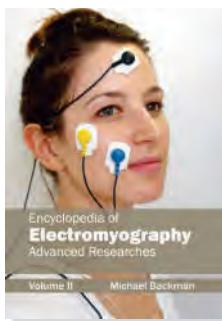
Michael Backman

ISBN: 978-1-63241-159-4
\$124.95 US
Year 2015
Book Size: 6"x9"
290pp./Colored
Hardback

Volume I

Encyclopedia of Electromyography: Principles, Methods and Techniques

This book on Electromyography focuses on key principles of using and examining EMG and encompasses a broad range of subjects including Principles and Methods, Signal Processing, and Diagnostics. The authors have varied in their approach to their subjects, from reviews on different aspects of the field to experimental studies with exciting new findings. The experts have analyzed literature related to applied surface electromyography parameters for evaluating muscle function and fatigue to the constraints of different analysis and processing techniques. It also describes emerging applications where electromyography is employed as a means to regulate electromechanical systems, water surface electromyography, scanning electromyography, EMG measures in orthodontic appliances and in ophthalmological field. These original approaches to the usage of EMG measurement will be of great interest to readers.



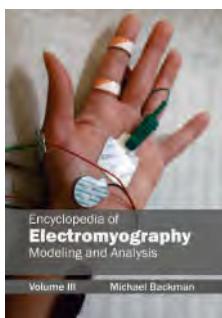
Michael Backman

ISBN: 978-1-63241-160-0
\$124.95 US
Year 2015
Book Size: 6"x9"
266pp./Colored
Hardback

Volume II

Encyclopedia of Electromyography: Advanced Researches

This book on Electromyography (EMG) encompasses a broad range of subjects including Evoked Potentials, EMG in combination with other technologies and New Frontiers in Research and Technology. The experts have analyzed literature related to applied surface electromyography parameters for evaluating muscle function and fatigue to the constraints of different analysis and processing techniques. It also describes emerging applications where electromyography is employed as a means to regulate electromechanical systems, water surface electromyography, scanning electromyography, EMG measures in orthodontic appliances and in ophthalmological field. These original approaches to the usage of EMG measurement and new researches in the field will be of great interest to readers.



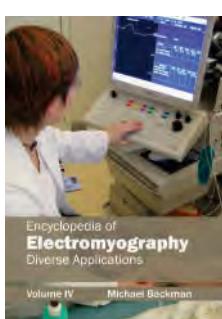
Michael Backman

ISBN: 978-1-63241-161-7
\$124.95 US
Year 2015
Book Size: 6"x9"
270pp./Colored
Hardback

Volume III

Encyclopedia of Electromyography: Modeling and Analysis

Electromyography (EMG) is a technique for evaluating and recording the electrical activity produced by skeletal muscles. EMG is used for the diagnosis of neuromuscular issues and for determining biomechanical and motor control deficiency and other functional disorders. Moreover, it can be applied as a control signal for interfacing with orthotic and/or prosthetic devices or other rehabilitation aids. It will provide readers with a comprehensive introduction to EMG signal processing techniques and applications, while presenting several new results and explanation of existing algorithms. This book encompasses the analysis of theoretical and practical approaches of EMG research.



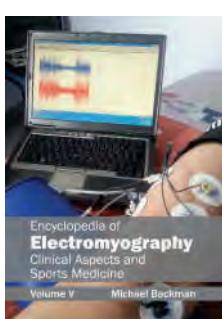
Michael Backman

ISBN: 978-1-63241-162-4
\$90.00 US
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Book Size: 6"x9"
202pp./Colored
Hardback

Volume IV

Encyclopedia of Electromyography: Diverse Applications

Electromyography (EMG) is a technique for evaluating and recording the electrical activity produced by skeletal muscles. EMG is used for the diagnosis of neuromuscular issues and for determining biomechanical and motor control deficiency and other functional disorders. Moreover, it can be applied as a control signal for interfacing with orthotic and/or prosthetic devices or other rehabilitation aids. This book covers the current diverse applications applied in EMG research. It will provide readers with a comprehensive introduction to EMG signal processing techniques and applications, while presenting several new results and explanation of existing algorithms.



Michael Backman

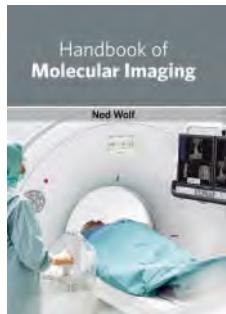
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Book Size: 6"x9"
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Hardback

Volume V

Encyclopedia of Electromyography: Clinical Aspects and Sports Medicine

This book consists of various researches which analyze current trends and future implications of electromyography (EMG) methods. This book deals with a broad variety of clinical and sports applications of electromyography. Topics covered within the book range from gait and vibration analysis, through posture and falls prevention, to biofeedback in the management of neurologic swallowing impairment. It also discusses issues related to back care and sports and performance medicines. This wide collection of researches discussing the use of EMG in both clinical and research applications demonstrates the usefulness of the technique as a tool in an extensive range of disciplines and medical fields.

Diagnostic Imaging



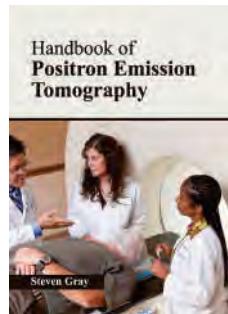
Ned Wolf

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405pp./Colored
Hardback

Handbook of Molecular Imaging

This profound book provides an excellent analysis of molecular imaging. Practical approach represents the red thread through the entire book, simultaneously encompassing descriptive background information that goes very deep into cellular as well as molecular levels. Ideas regarding how molecular imaging will progress in the not too distant future illustrate a special challenge. This book should appeal to a wide spectrum of readers since it compiles information contributed by leading research groups from across the globe.

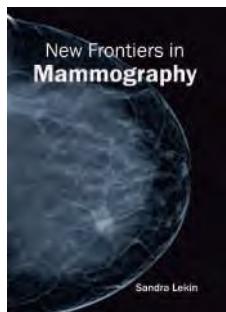
Diagnostic Imaging



Steven Gray

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Book Size: 6"x9"
348pp./Colored
Hardback

Diagnostic Imaging



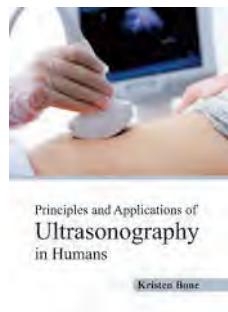
Sandra Lekin

ISBN: 978-1-63241-292-8
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Book Size: 6"x9"
433pp./Colored
Hardback

New Frontiers in Mammography

Novel frontiers in the field of mammography are elucidated in this book with the help of comprehensive information. In this book, topics have been elucidated related to a variety of aspects: the bases of mammography systems, optimization of screening mammography with reference to evidence-based research, latest technologies of image acquisition and its surrounding systems and case reports with reference to up-to-date multimodality images of breast cancer. Mammography has failed in its transition to digital imaging systems because of the necessity of high resolution for diagnosis. However, in the last decade, technical improvements have resolved the difficulties and boosted new diagnostic systems. Readers will learn the fundamentals of mammography from this book and look forward to the description of new technologies provided in this book.

Diagnostic Imaging



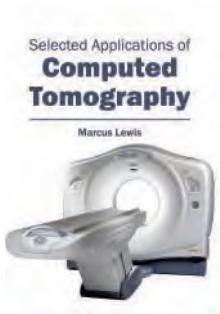
Kristen Bone

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\$90.00 US
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Book Size: 6"x9"
201pp./Colored
Hardback

Principles and Applications of Ultrasonography in Humans

This book presents an extensive insight into various applications of ultrasonography in medical science and associated domains. Compiled with contributions from international experts, it offers the readers with current information and future research pathways of diagnostic and therapeutic ultrasound and spectroscopy. Major topics comprise of Duplex ultrasound, transcranial color Duplex, MRA guided Doppler ultrasonography and near-infrared spectroscopy. The applications of ultrasound for the discovery of intra-cardiac and intra-pulmonary shunts have also been explained along with its utility for the assessment of gastric regulation and emptying in the book. New directions in the use and application of transcranial and color Duplex ultrasound have also been presented, along with the use of ultrasound and arterial stiffness for measuring human vascular health and circulatory control.

Diagnostic Imaging



Marcus Lewis

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Book Size: 6"x9"
331pp./Colored
Hardback

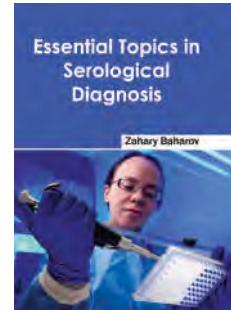
Selected Applications of Computed Tomography

All the selected applications of computed tomography are described in this insightful book. Computed tomography is a crucial imaging method in clinical practice. It was introduced in 1970s and since then, it has advanced and improved to a great extent. For instance, the introduction of helical systems has allowed the development of the "volumetric CT" concept. Even the anthropomorphic, forensic, paleontological and archeological applications of CT have emerged. Such applications make it a versatile diagnostic technology for non-destructive material testing and 3D imaging, beyond its medical use.

Pathology

Essential Topics in Serological Diagnosis

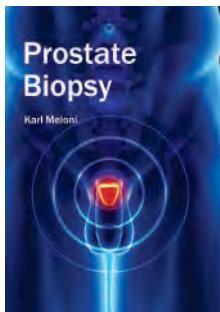
The essential topics in serological diagnosis are elaborated in this extensive book. This book elucidates the theory of serological procedures applied in laboratory diagnoses of specific bacteria, mycoplasmas and viruses in humans, animals and plants; a few parasitic agents, along with autoimmune diseases. Experts have contributed latest information pertaining to the serological processes in laboratory diagnosis of such contagious diseases. Serological methods for bacteria; serological methods in human, animal and plant viruses; diagnosis of echinococcus and human toxocariasis agents; and serological laboratory methods in the diagnosis of coeliac disease have been elucidated in this book.



Zahary Baharov

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172pp./Colored
Hardback

Pathology



Karl Meloni

ISBN: 978-1-63241-328-4
\$84.95 US
Year 2015
Book Size: 6"x9"
137pp./Colored
Hardback

Prostate Biopsy

Prostate biopsy involves extraction of small samples from prostate gland for analysis and study. This book demonstrates the standard process for diagnosing Prostate Cancer. This process can be executed transrectally, through perineum or occasionally through the urethra. Although the procedures of Prostate Biopsy have often been elucidated in several publications, there is still an urgent need to integrate its distinct aspects and methods in a single binding source. The aim of this book is to serve as a valuable source of reference for physicians and assist them in their efforts to provide the best treatment for their patients.

Public Health

Environmental Health: Practice and Concerns

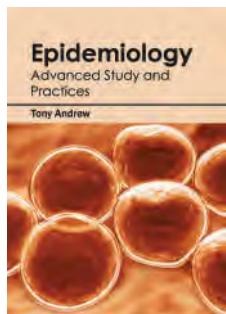
Practitioners of environmental health all over the world are often confronted with problems that need investigation and action so that the unprotected populace can be secured against ill health consequences. These environmental aspects can be categorized according to their connection with air, water or food contamination. However, these are also related to occupation; occupational health hazards also need to be considered as a part of the field of environmental health. This book consists of a comprehensive overview of recent methods and researches in this field. The authors featured in this book hail from various countries and represent the viewpoint of both developed and developing nations. This book will be beneficial for professionals in the field of environmental health.



Raven Brennan

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Public Health



Tony Andrew

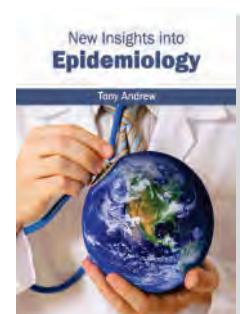
ISBN: 978-1-63241-214-0
\$115.00 US
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Book Size: 6"x9"
222pp./Colored
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Epidemiology: Advanced Study and Practices

This book is a one-stop source of information regarding Epidemiology, providing readers with the knowledge about advanced study and practices of Epidemiology. It is a compilation of research works by different experts providing an overview on specific subjects related to epidemiology. It exemplifies some of the interests, applications and views of the epidemiology across different areas of research and practice. Unlike the comprehensiveness and coherence of a conventional textbook, readers will find a few independent topics, each of them with substantial information in specialized areas within epidemiology. They discuss the contrast between the effort to extend the limits of applicability of epidemiological research and the "regular" scientific operations in the field of applied epidemiology. This book will prove to be a valuable and inspiring source of reference for all experts in the field of epidemiology.

Public Health

New Insights into Epidemiology



Tony Andrew

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184pp./Colored
Hardback

Public Health



Tony Andrew

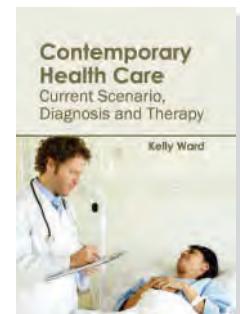
ISBN: 978-1-63241-342-0
\$159.00 US
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Book Size: 6"x9"
411pp./Colored
Hardback

Researches in Epidemiology

Epidemiology is the branch of medicine which is concerned with the distribution, incidence and possible control of diseases and other factors relating to health. This book gives an overview on the diverse aspects of epidemiological research, brings together the expertise and enthusiasm of an international panel of leading researchers to provide a coherent overview of the field. The topics included in this book are epidemiology of varied manifestations of neuro-psychiatric disorders, virology and epidemiology, the epidemiology of dermatomycoses and Candida spp. infections, epidemiology of wildlife tuberculosis, epidemiologic access to the course of microbial nature of milk and milk products, Cox proportional hazards paradigm, epidemiology of primary immunodeficiency diseases, family-based genetic epidemiology and many more. This book includes writings of international experts and is a worthy resource for clinicians, researchers and students; who intend to address these issues.

Health Care

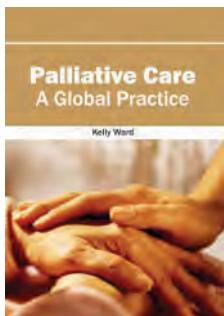
Contemporary Health Care: Current Scenario, Diagnosis and Therapy



Kelly Ward

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\$115.00 US
Year 2015
Book Size: 6"x9"
242pp./Colored
Hardback

Health Care



Kelly Ward

ISBN: 978-1-63241-315-4
\$145.95 US
Year 2015
Book Size: 6"x9"
302pp./Colored
Hardback

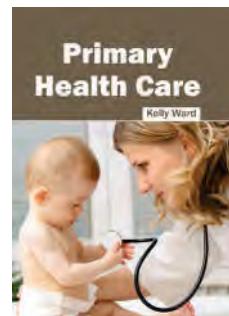
Palliative Care: A Global Practice

Palliative care is defined as care for the terminally ill and their families, especially which is provided by an organized health service. This book has been compiled to present a comprehensive account of information about contemporary issues associated with palliation. The readers will encounter some challenging and at times, discerning, yet motivating and stimulating perspectives in the care of people needing palliation. This book analyzes current practices; discusses challenges faced in implementation and describes paradigm of care in the field of palliation. This book presents issues, challenges and opportunities ahead. Hence, it stimulates readers to explore and develop their interest in palliative care practice.

Health Care

Primary Health Care

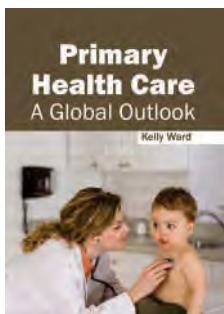
"In both, clinical practitioners and scientists, few find it more convenient to depend upon irrelevant clarifications, while the rest never stop looking for answers". With these astonishing words, Augusto Murri, an Italian veteran in clinical medicine, emphasizes on the fact that medical practice must be a constant journey towards knowledge and quality of care. This book is a compilation of contributions from across the globe. Distinct cultures are portrayed together, from those with developed technologies to those of indefinite spirituality, but they are all associated to each other through 5 professional characteristics, that in the 1978 the Institute of Medicine (IOM) stated as most important for practicing good Primary Care: coordination, accessibility, accountability, comprehensiveness and continuity. The content in this book is organized under two characteristics - coordination and accessibility. This would provide the reader with an international overview of hot topics and novel insights in the area.



Kelly Ward

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Health Care



Kelly Ward

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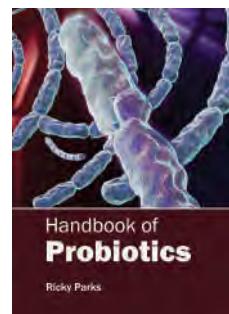
Primary Health Care: A Global Outlook

"In both, clinical practitioners and scientists, few find it more convenient to depend upon irrelevant clarifications, while the rest never stop looking for answers". With these astonishing words, Augusto Murri, an Italian veteran in clinical medicine, emphasizes on the fact that medical practice must be a constant journey towards knowledge and quality of care. This book is a compilation of contributions from across the globe. Distinct cultures are portrayed together, from those with developed technologies to those of indefinite spirituality, but they are all associated to each other through 5 professional characteristics, that in the 1978 the Institute of Medicine (IOM) stated as most important for practicing good Primary Care: coordination, accessibility, accountability, comprehensiveness and continuity. The content in this book is organized under three characteristics - accountability, comprehensiveness and continuity. An international overview of hot topics and novel insights will be available to the readers.

Dietetics

Handbook of Probiotics

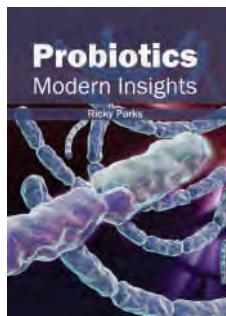
Over the last few decades, the prevalence of research regarding probiotics strains has significantly grown in most regions of the world. Probiotics are particular strains of microorganisms, which when served to animals or humans in suitable amount, have an advantageous impact, enhancing health or decreasing the risk of getting sick and the probiotics are employed in production of functional foods and pharmaceutical products. The book contains complete information regarding issues relating to probiotics in food which will serve extremely helpful for the people engaged in this field across the world.



Ricky Parks

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Dietetics



Ricky Parks

ISBN: 978-1-63241-327-7
\$145.95 US
Year 2015
Book Size: 6"x9"
396pp./Colored
Hardback

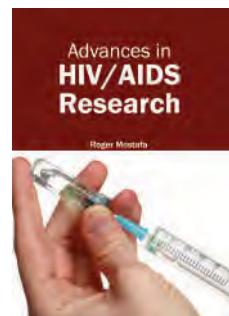
Probiotics: Modern Insights

This book examines the usage of probiotics and its positive effects. Over the last few decades, the prevalence of research regarding probiotics strains has significantly grown in most regions of the world. Probiotics are particular strains of microorganisms, which when served to animals or humans in suitable amount, have an advantageous impact, enhancing health or decreasing the risk of getting sick and the probiotics are employed in production of functional foods and pharmaceutical products. The book contains the complete information regarding issues such as probiotics in health, in biotechnological aspects and its use in aquaculture which will serve extremely helpful for the people related to this field across the world.

HIV & AIDS

Advances in HIV/AIDS Research

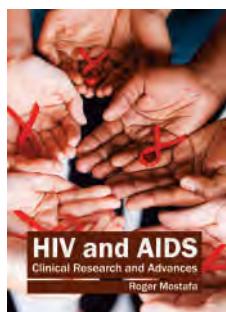
This book presents HIV/AIDS researches on treatment, new developments, pathogenesis and other related fields which offer a good foundation for development of clinical patient care. This book includes contributions of scientists and researchers who have extensively researched about HIV/AIDS. Translational model is one of the initial steps for progressing HIV/AIDS clinical research. Advanced researches should directly benefit HIV/AIDS patients when linked to the care of patients. The book discusses important topics under the sections: Special Clinical Cares; New Therapy Strategies; Vaccine Development and Beyond Conventional. It aims to assist interested individuals in the study of HIV/AIDS by providing informative and valuable data.



Roger Mostafa

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HIV & AIDS



Roger Mostafa

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Book Size: 6"x9"
382pp./Colored
Hardback

HIV and AIDS: Clinical Research and Advances

This book is a comprehensive compilation of research on HIV and AIDS. The prevalence of AIDS pandemic reminds us that in spite of the ceaseless quest for knowledge and information since the early 1980s, we have a lot to learn and comprehend about AIDS and HIV. This syndrome represents one of the biggest challenges for humanity, science and medicine. The aim of this book is to provide a source of encouragement for researchers and serve as an efficient guide for graduate students in their ongoing search for a cure of HIV, and aid clinicians. Therefore, this book includes two broad sections which describe the relationship and interaction of HIV with cellular cells and the immune system.

HIV & AIDS

HIV and AIDS: Selected Topics

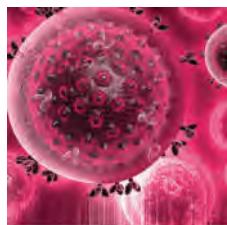
This book brings forth some important selected topics in HIV and AIDS. The ongoing AIDS pandemic reminds us that in spite of the ceaseless quest for knowledge and information since the early 1980s, we have a lot to learn and comprehend about AIDS and HIV. This syndrome represents one of the biggest challenges for humanity, science and medicine. The aim of this book is to provide a source of encouragement for researchers and serve as an efficient guide for graduate students in their ongoing search for a cure of HIV, and aid clinicians. Therefore, this book provides both basic as well as advanced clinical knowledge regarding HIV/AIDS transmission, diagnosis and treatment.



Roger Mostafa

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HIV & AIDS



Roger Mostafa

ISBN: 978-1-63241-254-6
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Hardback

HIV Testing

This book brings the essentials of HIV testing. It is right to say that now is the best time for everyone infected to become aware of their own HIV status. The advanced information regarding HIV management efficiently reveals that antiretroviral treatment can prevent transmission, as well as chronic damage in the human body, if initiated early. Unfortunately, antiretrovirals are not broadly available in several places, especially in underdeveloped countries. In these countries, diagnosis of HIV infection must be kept in the agenda as a top priority, for the purpose of comprehending particular details of local epidemics and as an effort to halt the chain of HIV transmission. This book consists of contributions made by several renowned specialists in this field from across the world.

HIV & AIDS

HIV/AIDS Management

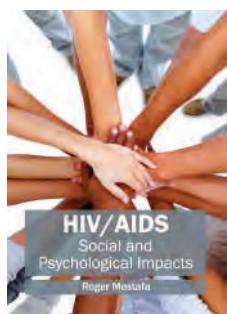
This book encompasses detailed information related to the management of HIV/AIDS. It neither presents an alternative to any book regarding HIV/AIDS nor exhausts the topic in question. The purpose of this book is to complement the content already in circulation and add value to explanation of certain concepts in order to generate more room for reasoning and arrive at solutions against this global pandemic. Further, this book is expected to complement a varied range of studies and analyses conducted in this field, and provide a platform for latest information on this subject. The aim of this book is to serve as a valuable source of reference and equip the readers with knowledge and skills to work towards decreasing HIV transmission and enhance the quality of life of those suffering from this disease as well as those affected by it.



Roger Mostafa

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HIV & AIDS



Roger Mostafa

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326pp./Colored
Hardback

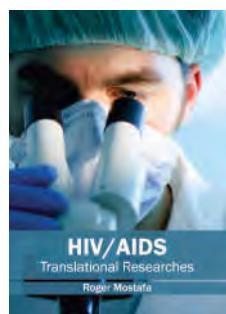
HIV/AIDS: Social and Psychological Impacts

This book discusses the social as well as psychological impacts of HIV/AIDS. The book examines their influence on patients affected by HIV/AIDS and related behaviors. It addresses important aspects of HIV/AIDS which include discrimination, access, care-seeking behavior, psycho-social needs, support services and adherence. It also discusses the impact of the epidemic on different sectors of economy. The book serves as a reference for academicians, students and other readers interested in the study of HIV/AIDS.

HIV & AIDS

HIV/AIDS: Translational Researches

This book includes contributions of scientists and researchers who have extensively researched about HIV/AIDS. It includes HIV/AIDS translational researches on prevention, diagnosis, treatment, pathogenesis and other related fields which offer a good foundation for development of clinical patient care. Translational model is one of the initial steps for progressing HIV/AIDS clinical research. Translational researches should directly benefit HIV/AIDS patients when linked to the care of patients. The book includes sections namely, Pathogenesis and Epidemiology; Pharmacology and host interaction; Opportunistic microbial infections; Laboratory diagnosis and Anti-retroviral therapy. It aims to assist interested individuals in the study of HIV/AIDS by providing informative and valuable data.



Roger Mostafa

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Emergency Medicine



Malcolm Gover

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Hyperthermia

Hyperthermia is basically the condition of having a body temperature greatly above normal. This book is one of the most useful books in the field of hyperthermia. This book encompasses a vast area of hyperthermia-connected analytic study.

Complementary and Alternative Medicine

Chinese Medicine

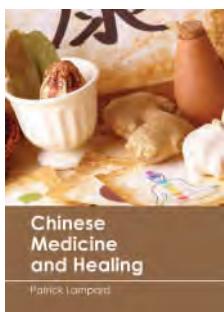
This book introduces the readers to the vast field of Chinese medicine with the help of comprehensive details and information. In the past few years, traditional Chinese medicine (TCM) has drawn the attention of researchers from all over the world. TCM is gradually evolving as a subject area with high potential and a possibility for original innovation. The book gives understanding of the TCM researches by discussing its fundamental theories, latest advances, diagnostic approach, current clinical applications etc. It talks about unrecognized issues which are important such as the theory of TCM property, and how to carry out TCM research in the direction of TCM property theory using modern scientific technology. This book includes contributions of eminent researchers who possess clinical knowledge and have years of experience in this field. It serves the objective of providing deep understanding of the distinct characteristics of Chinese medicine.



Patrick Lampard

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248pp./Colored
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Complementary and Alternative Medicine



Patrick Lampard

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268pp./Colored
Hardback

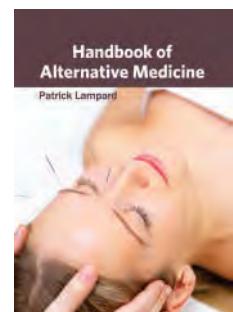
Chinese Medicine and Healing

In the past few years, traditional Chinese medicine (TCM) has drawn the attention of researchers from all over the world. This book introduces the readers to the vast field of Chinese medicine with the help of comprehensive details and information. TCM is gradually evolving as a subject area with high potential and a possibility for original innovation. The book gives understanding of the TCM researches by discussing diagnostic approach and current clinical applications under two sections: pharmacological experimental research and pharmacodynamic material base research. This book includes contributions of eminent researchers who possess clinical knowledge and have years of experience in this field. It serves the objective of providing deep understanding of the distinct characteristics of Chinese medicine.

Complementary and Alternative Medicine

Handbook of Alternative Medicine

The book is designed to provide advanced information regarding alternative medicine. Alternative medicine can be defined as medical products and processes that do not belong to the regular procedures practiced by medical doctors, doctors of osteopathy and allied health professionals. It has advanced into a multitude of medical products and practices that markedly improve body condition of patients and show disease prevention actions. This book is not an all-inclusive account of all areas of alternative medicine, but presents the reader with insights into particular aspects of established and new therapies. The major topics it covers are Historical and Cultural Perception, Compositional Analysis, Therapeutic Potential, and Action Mechanism and Future Direction. It has been written by experts from around the world who have been examining their original and other researcher's work. It will be beneficial to students, clinicians, teachers and researchers who are interested in advances in alternative medicines.



Patrick Lampard

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Complementary and Alternative Medicine



Patrick Lampard

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Book Size: 6"x9"
397pp./Colored
Hardback

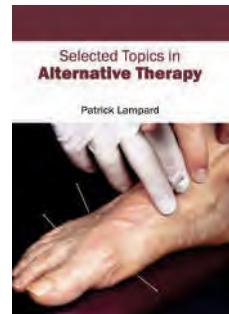
New Research and Frontiers in Acupuncture

Novel researches and frontiers in the field of acupuncture are provided in this all-inclusive book. The contents of this book include acupuncture research, new developments in acupuncture, acupuncture therapy for clinical conditions, and assessment and accessibility in acupuncture therapy. This book also provides latest updates on acupuncture research. From acupuncture derivatives in modulation of immune system to the function of nitric oxide in acupuncture activities; this book offers its readers the latest modes in acupuncture research. It also summarizes new advances in acupuncture; discussing latest tools and means in acupuncture like laser acupuncture, sham needles, and new technologies. Acupuncture therapy for clinical conditions and comprehensive and critical aspects of acupuncture therapy and its usage in common clinical practice have also been discussed. Along with this, the book also provides a new sight at the issues related to assessment and accessibility in acupuncture therapy. These issues are basic in developing new standards for consequential assessment and policies that will boost the accessibility to acupuncture therapy.

Complementary and Alternative Medicine

Selected Topics in Alternative Therapy

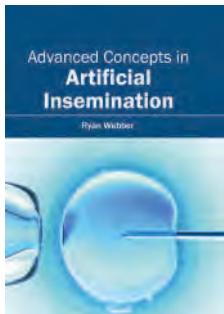
The selected topics related to the field of alternative therapy are highlighted in this book. It is directed at both conventional and alternate therapy practitioners, in addition to serving as an educational instrument for students and laymen on the developments made in this field. While this book is not vastly extensive, it does showcase the recent theories from various international experts in this field. This will hopefully catalyze more research drive, funding, and critical awareness in the already progressing demand for alternate therapies that has been witnessed worldwide.



Patrick Lampard

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Veterinary Medicine



Ryan Webber

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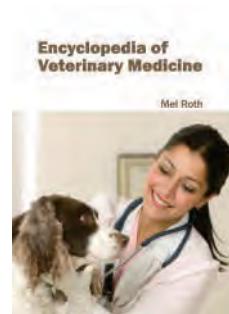
Advanced Concepts in Artificial Insemination

This book provides detailed information regarding the advanced concepts in artificial insemination. Artificial insemination has served as the fundamental tool for genetic improvement in a number of domestic animals. Decisions based on knowledge are fast becoming essential in this industry. Scientific publications are playing an important role in contributing research analysis towards an effective utilization of reproductive phenomenon. This book provides information on quality improvement of semen and diagnostics linked to it, thereby improving the success of Artificial Insemination.

Veterinary Medicine

Encyclopedia of Veterinary Medicine

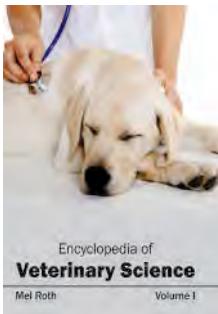
Veterinary medicine is a branch of science that deals in the treatment of animals. It is developing at a fast pace, specifically given the width of the discipline. This book analyzes recent advances covering a broad area of concern from health and welfare in livestock, pets, and wild animals to public health supervision and biomedical research. The book chiefly talks about the veterinary profession and veterinary science, while looking at particular forms of applied veterinary medicine and veterinary care in livestock. Research chapters in the book have been compiled by specialists with a glimpse into analyzing development in areas such as organ transplantation, therapeutic application of natural substances, and the use of advanced diagnostic techniques for disease control. It offers a precise, summarized and interesting analysis of the entire science of veterinary medicine.



Mel Roth

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Veterinary Medicine



MeI Roth

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\$155.00 US
Year 2015
Book Size: 8.5"x11"
214pp./Colored
Hardback

Encyclopedia of Veterinary Science: Volume I

This book focuses on the advanced aspects of veterinary sciences and has been written by some of the most renowned veterinarians and experts from across the globe. Researches and case studies which discuss most of the clinical and innovative aspects of veterinary sciences have been included. This book will help veterinary surgeons, experts, students and everyone associated with this field in their future studies; as it presents the most up-to-date information to help the readers keep pace with the progress in this discipline.

Veterinary Medicine



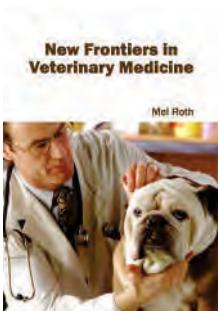
MeI Roth

ISBN: 978-1-63241-211-9
\$155.00 US
Year 2015
Book Size: 8.5"x11"
202pp./Colored
Hardback

Encyclopedia of Veterinary Science: Volume II

This book focuses on the advanced aspects of veterinary sciences and has been written by some of the most renowned veterinarians and experts from across the globe. Researches and case studies which discuss most of the clinical and innovative aspects of veterinary sciences have been included. This book will help veterinary surgeons, experts, students and everyone associated with this field in their future studies; as it presents the most up-to-date information to help the readers keep pace with the progress in this discipline.

Veterinary Medicine



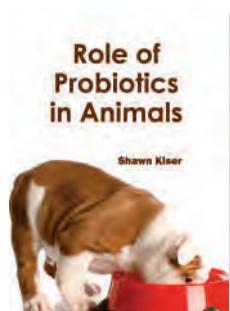
MeI Roth

ISBN: 978-1-63241-295-9
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Book Size: 6"x9"
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Hardback

New Frontiers in Veterinary Medicine

Veterinary medicine is a branch of science that deals in the treatment of animals. It is developing at a fast pace, specifically given the width of the discipline. This book analyzes recent advances covering a broad area of concern from health and welfare in livestock, pets, and wild animals to public health supervision and biomedical research. Research chapters in the book have been compiled by specialists with a glimpse into analyzing developments in the veterinary profession and veterinary science, while looking at particular forms of applied veterinary medicine: general aspects and clinical attention in pets. It offers a precise, summarized and interesting analysis of the entire science of veterinary medicine.

Veterinary Medicine



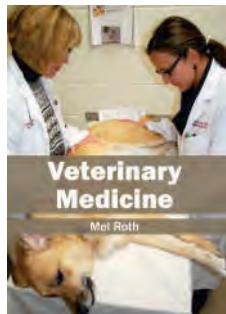
Shawn Kiser

ISBN: 978-1-63241-345-1
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Hardback

Role of Probiotics in Animals

This book provides essential information on the various roles of probiotics in animals. Over the past few decades, the prevalence of analysis regarding probiotic strains has significantly grown in most regions of the world. The use of probiotic strains in animal production may decrease numerous complications caused by growth promoter, antibiotics therapy and problems from improper management. Probiotics are particular strains of microorganisms, which when served to animals or humans in suitable amounts, have an advantageous impact, enhancing health or decreasing the risk of getting sick. The book would serve as an important source of reference to a wide range of readers.

Veterinary Medicine



Mel Roth

ISBN: 978-1-63241-382-6
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Year 2015
Book Size: 6"x9"
292pp./Colored
Hardback

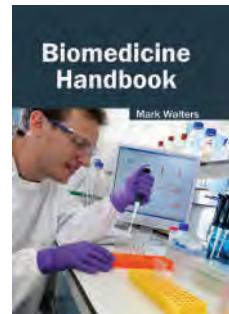
Veterinary Medicine

This text brings forth latest findings and analyses related to various facets of Veterinary Medicine where ceaseless advancements have been made in the past decades. Both veterinary and human medical sciences have evolved closely, reflecting the interwoven relationship between animals and humans since the onset of civilizations. Given the fact that both humans and animals share common mechanisms of numerous diseases, they serve as spontaneous models for the observation of specific diseases like tumors and heart related ailments. Moreover, the detrimental side-effects and challenges posed by contaminants, particularly over the endocrine axis regulating various bodily functions including fertility have also been discussed, as animals act as sentinels for atmospheric quality. Additionally, the value of animal life in context of health and well-being also makes a substantial contribution to the enhancement of human life, safeguarding against the disturbance of the food chain. The field has widened the scope of influence, encompassing varied fields not limited to just veterinary medical practice. It is hoped that this text will provide readers with detailed overview on current advanced resources in different veterinary science disciplines.

Biomedicine

Biomedicine Handbook

This book compiles advanced researches in the field of biomedicine. Complete and methodical technical researches in cell biology and molecular biology have promoted the enhancement of traditional medicine. Experts are now able to understand a few puzzling medical difficulties due to the stress on molecular levels. This book concentrates on the advancements in biomedical science dealing with regenerative medicine, gene medicine and medical instruments. This book is a compilation of numerous researches done by experts and will be beneficial for readers interested in this field.



Mark Walters

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Engineering Technology in Medicine



Theresa Heen

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Book Size: 6"x9"
249pp./Colored
Hardback

Advanced Research in Quality Control

Quality control is an important and growing aspect in every field of life. Quality control is a process that is used to ensure a certain level of quality in a product or service. It might encompass whatever actions a business seems necessary to provide for the control and verification of certain characteristics of a product or service. With the improvement of technology, we come across new and complicated devices and methods in different fields. Quality control is necessary in all of those new techniques. Our objective was to gather information about quality control in various fields. This book aims at disseminating useful and practical knowledge about quality control in several fields such as quality control in herbal medicine, food science, and in pharmaceutics.

Engineering Technology in Medicine

Quality Control: Concepts and Applications

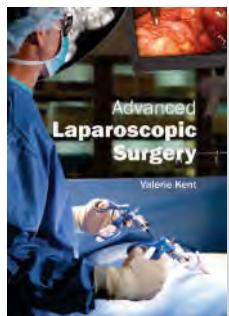
Quality control is a process that is used to ensure a certain level of quality in a product or service. Quality control is an important and growing aspect in every field of life. It might encompass whatever actions a business seems necessary to provide for the control and verification of certain characteristics of a product or service. With the improvement of technology, we come across new and complicated devices and methods in different fields. Quality control is necessary in all of those new techniques. Our objective was to gather information about quality control in various fields. This book aims at disseminating useful and practical knowledge about quality control in several fields such as quality control in radiology and clinical imaging, in energy, cosmetics, and in clinical laboratory medicine.



Theresa Heen

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Surgery



Valerie Kent

ISBN: 978-1-63241-012-2
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Book Size: 6"x9"
151pp./Colored
Hardback

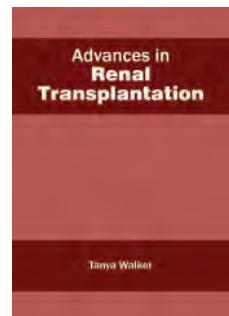
Advanced Laparoscopic Surgery

A wide range of information related to laparoscopic surgery has been discussed within the book. Laparoscopic surgery, a minimally invasive procedure, has completely changed the field of surgery over the past few decades. It has achieved global recognition and acceptance by surgeons and experts. Negligible scarring, a smaller amount of pain, and shorter hospital stay are the major reasons behind the international appeal of this unique method. There has been a major development in the method, as well as in the tools of surgery. The method has moved beyond the stages of simple laparoscopic surgical procedure to superior levels, where more complex processes are being productively attempted. This book deals with various aspects of laparoscopic surgery and intends to help students and experts in a productive manner.

Surgery

Advances in Renal Transplantation

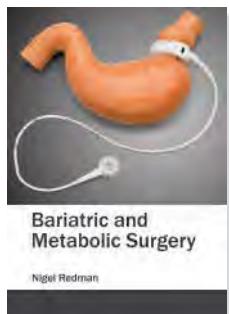
Renal transplantation (also known as kidney transplantation) is the process of organ transplantation of a kidney into a patient with end-stage renal disease. This book presents recent developments in renal transplant surgery in a comprehensive manner. It extensively covers a number of topics related to renal transplant surgery. These include advances and success of renal transplant science, molecular genetics, biochemistry, immunology, pediatric transplant and some uropathies that warrant organ replacement. The contributors of this book possess sound knowledge and experience in this field. Their expertise has been brought together in this book to provide concrete analysis and study in the field of renal transplant surgery.



Tanya Walker

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Surgery



Nigel Redman

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339pp./Colored
Hardback

Bariatric and Metabolic Surgery

Various aspects related to bariatric surgery have been covered in this book. Bariatric surgery has gained significance in the past few decades because of the predominance of obesity around the world, and due to the growth in the comprehension of the physiological and pathological features of obesity and related metabolic syndromes. This book is a compilation of data worked on by experts from around the globe. The book discusses topics like choice of procedure, preoperative preparation including the psychological aspect, postoperative care and administration of the problem. It even deals with theory and result of metabolic surgery and scar less bariatric surgery. The book will be beneficial for professionals dealing with bariatric patients.

Surgery

Bone Grafting

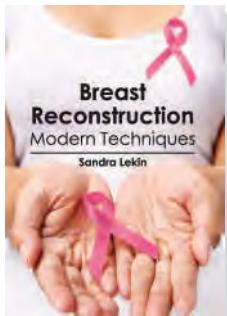
The process of bone grafting has been explained in this book through descriptive information. Bone grafting is a surgical process in which a new bone or replacement material is inserted in bone fractures and bone defects in order to facilitate the process of repairing. It is of immense help even in cases which are tremendously complex, pose an important health risk to the patient, or fall short to heal correctly. Bone grafting holds an important place in variety of surgical specialties, such as: orthopedics, neurosurgery, dentistry, plastic surgery, neck and head surgery, otolaryngology and others. All these disciplines tackle problems related to absence of bone tissue or damaged fracture healing on a regular basis. A host of surgical techniques nowadays involve the use of one or other kind of bone graft or bone graft substitute. This book is a compilation of works of authors from different continents, with different perspectives and varied experiences with bone grafting. In this book, different readers can find reference content which suits their requisites. From basic principles, devoted to students, to research inferences and description of novel techniques, for experts; this book meets the needs of all those who are interested in the science of bone grafting.



Shay Fisher

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Surgery



Sandra Lekin

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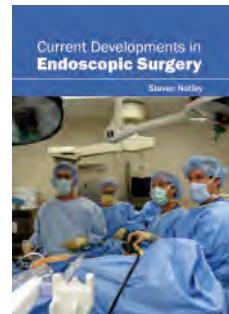
Breast Reconstruction: Modern Techniques

In today's modern times, technology is advancing by the hour; this has facilitated medical treatments in manifold ways. Breast reconstruction is an enthralling and multifaceted field which combines reconstructive and aesthetic theories in pursuit of the best result conceivable. The goal of breast reconstruction is to bring back the form of the breast and to advance a woman's mental health after cancer treatment. Effective breast reconstruction requires a clear comprehension of reconstructive operational methods and detailed information of breast aesthetic theories. This book is a compilation of several case studies conducted by experts dealing with various aspects of breast reconstruction.

Surgery

Current Developments in Endoscopic Surgery

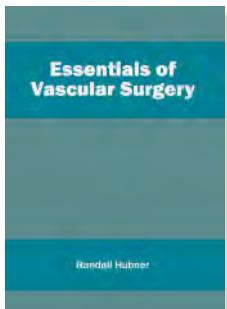
Endoscopy has simplified medical diagnosis. Surgeons from varied domains have become extremely interested in endoscopy due to its low complication rates, high analytic yields and the opportunity to carry out a large diversity of therapeutic techniques. In the past few decades, the variety of surgical endoscopic methods has developed with many new techniques for both analysis and management, and these developments are presented in this book. It discusses the applications of endoscopic surgery in various areas such as the skull base, paranasal sinuses, the central nervous system and ophthalmology. Contributing to the expansion of endoscopic surgery around the world, this is a contemporary, informational, and interesting book.



Steven Notley

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Surgery



Randall Hubner

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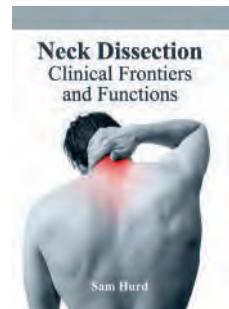
Essentials of Vascular Surgery

This book aims to serve as a resource guide in the field of vascular surgery. This book presents a thorough summary on traditional open vascular and endovascular surgeries. It even throws some light on how to manage pre- and post-operative vascular patients. It is a compilation of researches and information given to us by experts and surgeons dealing with vascular surgeries from around the globe. We intend to help medical students and vascular surgery researchers around the world with this book.

Surgery

Neck Dissection: Clinical Frontiers and Functions

This is a leading book in neck surgery and presents the recent work and experiences of a number of experts from around the world. It discusses the techniques of neck dissection and the most current approaches in neck dissection by providing better introduction to all techniques regarding it. For instance, techniques like Robotic surgery (de Venecie) system, a technique for examination of lymph node metastasis by ultra sonography and CT scan, and a technique of therapeutic selective neck dissection in multidisciplinary treatment methods are discussed within the book. This book will be beneficial for any surgeon specializing or practicing neck surgery inclusive of Head and Neck Surgeons, Maxillofacial Surgeons and post-graduate Medical and Dental students studying this field.



Sam Hurd

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Surgery



Sandra Lekin

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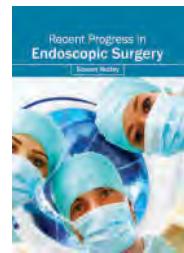
New Aspects and Techniques of Breast Reconstruction

This book presents a broad overview on the various aspects of surgical methods used for breast reconstruction. The reconstruction procedures for breast cancer patients have seen the rise of flap-based and implant-based surgeries as the two primary methods. Both these procedures have been undergoing evolution and advancements for improving outcomes and patient satisfaction. This book sheds light on options in mastectomy, growing significance of fat grafting, recent advancements in robotic latissimus flap harvesting, as well as criteria for selecting the optimum procedure in difficult situations. There is also special focus on current progresses in the field of lymphedema surgery which is rapidly growing in significance as an aiding technique for breast surgery.

Surgery

Recent Progress in Endoscopic Surgery

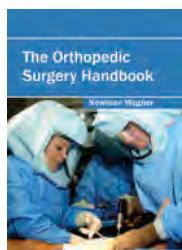
This book unifies the current concepts and advanced researches in the field of endoscopic surgery. Surgeons from varied domains have become extremely interested in endoscopy, with its low complication rates, high analytic yields and the opportunity to carry out a large diversity of therapeutic techniques. In the past few decades, the variety of surgical endoscopic methods has developed with many new techniques for both analysis and management, and these developments are presented in this book. This book discusses various concepts related to endoscopic surgery. It also elucidates various branches of endoscopic surgery such as digestive, urogynecological and pediatric endoscopy.



Steven Notley

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Surgery



Newman Wagner

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The Orthopedic Surgery Handbook

Orthopedic surgery is a rapidly growing surgical discipline. As is obvious, the capability to improve treatments and the care of patients is dependent on information, which in turn requires access to researches conducted and expert opinion. This book attempts to present such information and covers different aspects of orthopedic surgery. This book consists of fairly basic, as well as specialized knowledge regarding orthopedic surgery, which will be useful to readers interested in this field.

Pharmaceutical Science

Pain: Novel Insights and Perspectives

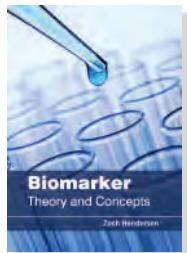
This book discusses the novel insights and perspectives regarding the topic of pain. The phenomenon of pain has existed ever since the beginning of human existence. Several methodologies as well as techniques for the purpose of pain relief have also been formulated over the course of time. This book provides readers with an insight into the history of pain and pain relief and facilitates the comprehension of numerous concepts of pain relief in contemporary times. It presents novel ideas and modern elucidations regarding the concepts of pain and pain relief, ranging from musculoskeletal pain to complex shoulder pain and from neurological examination to charting out pain.



Pam Kellner

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Biological Techniques and Tools



Zach Henderson

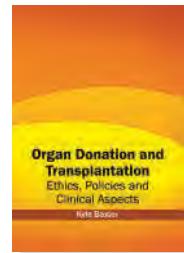
ISBN: 978-1-63241-055-9
\$159.00 US
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Book Size: 6"x9"
407pp./Colored
Hardback

Biomarker: Theory and Concepts

This book is a detailed and comprehensive medium helping students and researchers to understand the theory and concepts of biomarkers. Biomarkers or biological markers are used as an indicator of a person's health state or condition by scientists or medical professionals. If a biomarker can detect basic symptoms of a disease, differentiate between similar diseases, identify the stage of advancement, work on an easy-to-perform and inexpensive system of diagnosis and is easily accessible to the body; then it is considered to be the ideal biomarker.

Bioethics

Organ Donation and Transplantation: Ethics, Policies and Clinical Aspects



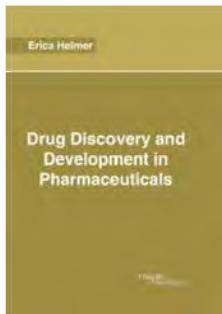
Kyle Baxter

ISBN: 978-1-63241-308-6
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The ethics, policies and clinical aspects of organ donation and transplantation have been discussed in this extensive book. Transplantation has been successful in prolonging the lives of those unfortunate enough to have not received fully functioning body organs from nature. However, there is limitation to this life-saving advancement. There is a lack of organ donors for fulfilling the needs of patients. This not only puts immense physical and emotional burden on the waiting patients and families but also puts huge financial burden on health services. An evaluation and overview of public policy advancements as well as clinical advancements has been provided in this book. Hopefully, it will facilitate an escalated knowledge of organ donation and greater graft survival. Experts and veterans from across the world have contributed in this all-inclusive book.

Pharmaceutical Sciences

Pharmaceutical Sciences



Erica Helmer

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Drug Discovery and Development in Pharmaceuticals

Drug discovery and development is the process whereby medication is designed, developed and manufactured through new chemical entities. This book on drug discovery and pharmaceutical development discusses topics related to scientific experimentation related to pharmaceutical agent development and quality control. This book includes contributions of experts and scientists which will provide innovative insights into this field. It brings forth some of the most innovative concepts and elucidates the unexplored aspects of this field. This book is a vital tool for all researching and studying drug discovery and development. It is a complete source of knowledge on the present status of this important field.

Pharmaceutical Sciences

Essentials of Toxicology

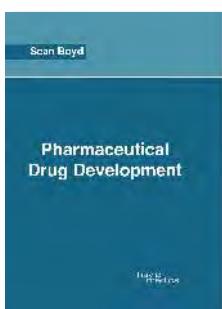
Toxicology studies the damaging effects caused by a chemical substance to living organisms. This book on toxicology serves as an important source of information about toxins and toxicity levels. Toxicology studies fundamental determinants of poisoning such as level of dosage, route of entry and the vital statistics of the person exposed to the substance. Contents in the text have been compiled keeping in mind the high level of research that takes place in this field. This book includes contributions of experts and scientists which will provide innovative insights into this field. It attempts to assist those with a goal of delving into the field of toxicology.



Braylon Holden

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Pharmaceutical Sciences



Sean Boyd

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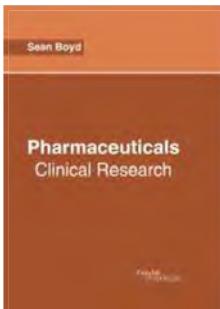
Pharmaceutical Drug Development

Pharmaceuticals can be defined as drugs that prevent and cure disease. This book on pharmaceutical drug development encompasses an interdisciplinary study of the field that discusses the medicine industry, drug manufacturing processes. This book provides significant information of this discipline to help develop a good understanding of this discipline and related fields. It includes some of the vital pieces of work being conducted across the world, on various topics related to pharmaceutical drug development. For students and researchers in the fields of pharmacology, hospital management, public health policy and pharmaceutical sciences, this book would prove to be very helpful.

Pharmaceutical Sciences

Pharmaceuticals: Clinical Research

This book on pharmaceuticals deals with the study of pharmaceutical drug design and development. Drugs are usually classified according to mode of action, route of administering and the therapeutic effects of the same. Contents included in this book present the advanced topics of pharmaceutical research. The various studies that are constantly contributing towards advancing technologies and evolution this field are examined in detail. This book is a vital tool for all researching or studying pharmaceuticals as it gives incredible insights into emerging trends and concepts. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals.

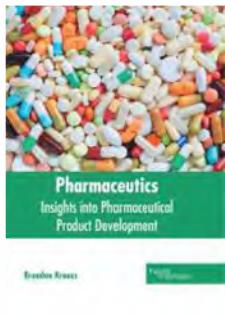


Sean Boyd

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Pharmaceutical Sciences

Pharmaceutical Sciences



Brendon Krauss

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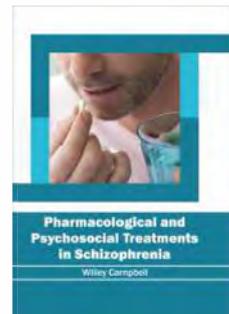
Pharmaceutics: Insights into Pharmaceutical Product Development

Pharmaceutics is defined as the design and manufacture of safe and consumable drugs from new chemical entities. This book on pharmaceutics discusses effective drug delivery systems and pharmaceutical formulation for drug manufacture. Relation of drugs to the body as well as the conversion of pure chemical substances into dosage-based prescription drugs is also related to pharmaceutics. Sub-branches of pharmaceutics include pharmaceutical technology, pharmacy sciences and pharmaceutical manufacturing. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in this field. It will prove useful for students and teachers in the field of pharmacology, medicinal chemistry and drug delivery systems. This book is meant for students who are looking for an elaborated written script on pharmaceutics.

Pharmaceutical Sciences

Pharmacological and Psychosocial Treatments in Schizophrenia

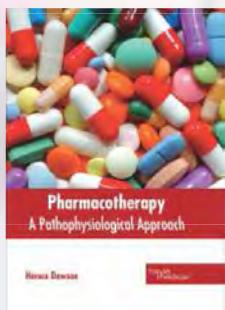
Schizophrenia is a mental disorder that causes long-term damage to a person's mind. Hallucinations, delusions, altered states of perception and confusion are common symptoms of this disease. This book on schizophrenia deals with the medication and psychological treatment that are available in the treatment of schizophrenia. Cognitive behavioral therapy, antipsychotic medication, etc. are effective treatments against this disease. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study. It is a vital tool for all researching and studying this field.



Willey Campbell

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Pharmaceutical Sciences



Horace Dawson

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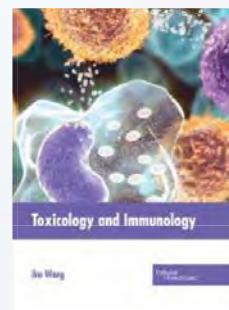
Pharmacotherapy: A Pathophysiological Approach

Pharmacotherapy is defined as the treatment and cure of disease through the use of drugs. This book on pharmacotherapy focuses on long-term consumption of pharmaceuticals and its effects on well-being. Drug therapy and medication is the most popular method for disease prevention in the world. This book contains some path-breaking studies in the field of pharmacotherapy. It traces the progress of this field and highlights some of its key concepts and applications. It will help the readers in keeping pace with the rapid changes in this field. This book is suitable for students and academics in the fields of pharmacology, pharmaceutical sciences and medicinal chemistry.

Pharmaceutical Sciences

Toxicology and Immunology

Toxicology is the study of substances that can cause physical damage to living organisms. This book on toxicology and immunology discusses the principles of toxicity spread and immune response and therapy. Toxicology diagnosis seeks to determine the level of toxicity acuteness and exposure to lethal substances. Topics included in this text will contribute to the advancement of these fields. The extensive content of this book provides the readers with a thorough understanding of the subject. It brings forth some of the most innovative concepts and elucidates the unexpected aspects of this field. This book is a vital tool for all researching or studying toxicology and immunology as it gives incredible insights into emerging trends and concepts.



Jim Wang

ISBN: 978-1-63241-447-2
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List of Titles

Medical Science

S.NO	Title	Author/Editor	ISBN	Price (USD)	Pub Year
1	A Clinician's Guide to Mood Disorders	Peter Garner	978-1-63241-458-8	139.95	2017
2	Alzheimer's Disease: Diagnostic and Therapeutic Strategies	Joshua Barnard	978-1-63241-466-3	150.00	2017
3	Behavior and Mood Disorders	Peter Garner	978-1-63241-459-5	139.95	2017
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33	Stem Cells: From Basic to Advanced Principles	Jack Collins	978-1-63241-464-9	140.00	2017
34	Understanding Autism	Paul Spencer	978-1-63241-444-1	150.00	2017
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101	Advances in Calcific Aortic Valve Disease Research	Samuel Ostroff	978-1-63241-025-2	115.00	2015
102	Advances in Gastroenterology	Sandra McLeish	978-1-63241-026-9	124.95	2015

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103	Advances in HIV/AIDS Research	Roger Mostafa	978-1-63241-027-6	115.00	2015
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