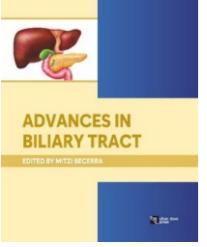
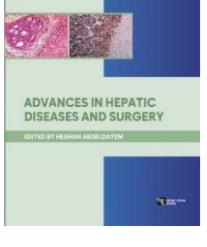
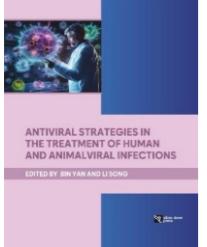
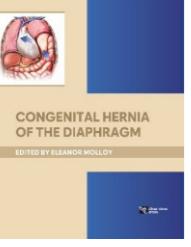
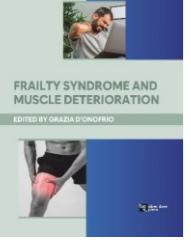
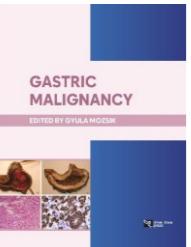
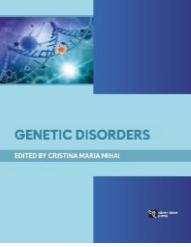
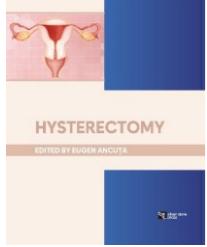
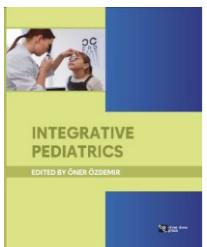
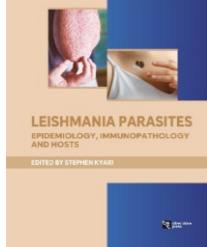
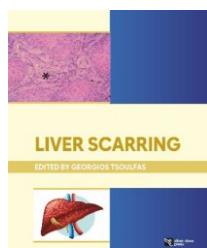
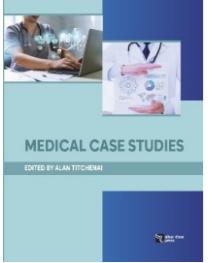
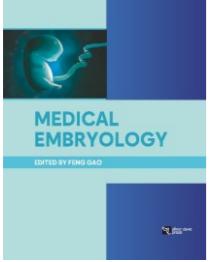
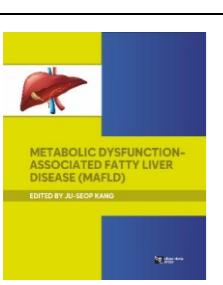
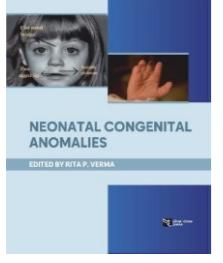
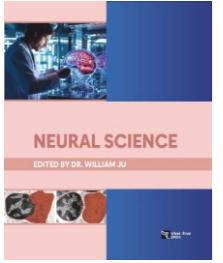


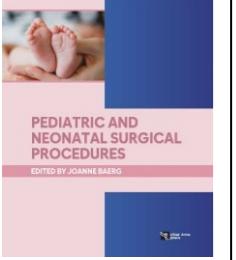
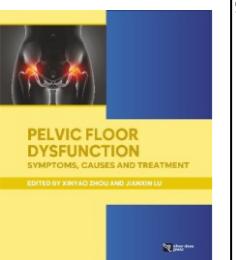
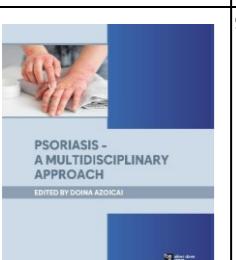
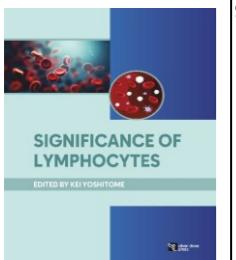
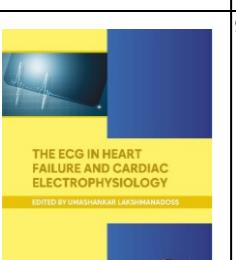
Sr. No.	cover	eBook ISBN	Title	Author	TOC	Description	Pages	Publishing year	Subject
1		978-81-990352-6-3	Advances in Bacterial Endocarditis	Steve W. Kerrigan	<ol style="list-style-type: none"> Complications of Endocarditis Platelet-Bacterial Interactions in the Pathogenesis of Infective Endocarditis – Part I-The Streptococcus Platelet Bacterial Interactions in the Pathogenesis of Infective Endocarditis – Part II -The Staphylococcus History of Antimicrobial Prophylaxis Protocols for Infective Endocarditis Secondary to Dental Procedures Surgical Management of Infective Endocarditis New Treatment Modalities for Ocular Complications of Endocarditis 	Endocarditis is an inflammation of the lining of the heart and valves. It can be due to a non-infectious cause but when the inflammation is associated with an infection, usually bacterial, it is known as infective endocarditis. It is typically characterized by the development of a large septic thrombus on one of the cardiac valves. As this thrombus grows, it can lead to valve failure or may fragment forming a septic embolus that is associated with high mortality if the target of the embolus is the brain, heart or lung. This book reviews multi-organ complications associated with Infective endocarditis including significant recent advances in molecular mechanisms underlying thrombus formation on the cardiac valve, anti-microbial treatment and surgery.	130	2024	Cardiology / Infectious Disease
2		978-81-990352-2-5	Advances in Biliary Tract	Mitzi Becerra	<ol style="list-style-type: none"> Introductory Chapter - Biliary Tract – Review and Recent Progress Bile Duct Stones Choledochal Cyst - Clinical Features, Diagnosis and Treatment Perspectives Characteristics, Diagnosis and Treatment of Choledochal Cysts Gallbladder Cancer - Diagnosis and Surgical Management Iatrogenic Biliary Injury Surgical Management 	Biliary tract disease is a common digestive system disease worldwide that can present with mild clinical signs or be life-threatening. This book discusses the pathogenesis, diagnosis, and management of four common bile diseases: common bile duct stones (CBDS), choledochal cyst (CC), gallbladder cancer (GBCa), and bile duct injury (BDI).	110	2024	Gastroenterology
3		978-81-990352-4-9	Advances in Hepatic Diseases and Surgery	Hesham Abdeldayem	<ol style="list-style-type: none"> Preoperative Evaluation and Management of Patients with Liver Disease New Perspective in HCV Clinical and Economical Management of the Current and Future Therapies Advances in HCV Therapy Hepatitis C — Overview and Update in Treatment Past, Present, and Future Perspectives on the Systemic Therapy for Advanced Hepatocellular Carcinoma (HCC) — A Comprehensive Review LAPTM4B Targeting as Potential Therapy for Hepatocellular Carcinoma Hepatic Surgery for Colorectal Cancer Metastasis — Possibilities and Prerequisites Surgical Indications, Timing, and Strategy in Non-colorectal Liver Metastases Old versus New – Tumor Ablation versus Tumor Nanoablation with Particular Emphasis on Liver Tumors 	This book presents the most recent advances in the field of liver diseases and surgery, including the remarkable advances in Hepatitis C therapy, liver tumors, injuries, cysts, resections, transplantation, and preoperative management of patients with liver diseases. The editors are the dean and vice deans of the National Liver Institute, Menoufia University, a dedicated international center of excellence and a leading medical institution in the Middle East for the diagnosis and management of liver diseases and advanced training and research in hepatobiliary sciences. The authors are leading experts from four continents across the globe (North America, Europe, Asia, and Africa). In other words, the book team reflects an international dream team of experts in the area of liver diseases.	292	2024	Hepatology
4		978-81-990352-9-4	Antiviral Strategies in the Treatment of Human and Animal Viral Infections	Bin Yan and Li Song	<ol style="list-style-type: none"> Introductory Chapter- Current Landscape of Animal and Human Virus Treatments Antiviral Strategies in the Treatment of Viral Infections in Humans and Animals- Surface and Space Disinfection Strategies Antiviral Plant Extracts- A Treasure for Treating Viral Diseases HBV and HCV Infection Prophylaxis in Liver Transplant Recipient Natural Phenolic Acids and Their Derivatives against Human Viral Infections Antiviral Targets and Known Antivirals (HAART) Biobetters- IFN-α2b Variants with Reduced Immunogenicity for the Treatment of Human Viral Diseases 	Antiviral Strategies in the Treatment of Human and Animal Viral Infections provides a comprehensive overview of the most recent discoveries in the field of antiviral research. It covers topics like viral replication, immunological reactions, medication discovery, vaccine development, and clinical applications. It also provides a summary of the difficulties and possibilities in battling viral infections that affect both humans and animals. Antiviral Strategies in the Treatment of Human and Animal Viral Infections is a useful resource for researchers, doctors, veterinarians, and students who are interested in the prevention and treatment of viral infections	140	2024	Infectious Disease
5		978-81-990352-8-7	Autoimmune Diseases	Stephen D. Miller	<ol style="list-style-type: none"> Current Theories for Multiple Sclerosis Pathogenesis and Treatment Immunologic and Genetic Factors in Type 1 Diabetes Mellitus Balancing pro- and anti-inflammatory CD4+ T helper cells in the intestine T cell metabolism in autoimmune diseases Apoptosis and Autoimmune Disorders Immune Complex Deposits as a Characteristic Feature of Mercury-Induced SLE-Like Autoimmune Process in Inbred and Outbred Mice Celiac And Inflammatory Bowel Diseases In Children With Primary Humoral Immunodeficiency Central Nervous System Resident Cells in Neuroinflammation- A Brave New World Autoimmune Encephalitis in Rural Central Illinois 	Autoimmune disease represents a group of more than 60 different chronic autoimmune diseases that affect approximately 6% of the population. Autoimmune diseases arise when ones immune system actively targets and destroys self tissue resulting in clinical disease with prime examples such as Lupus and Type 1 diabetes. The immune system is designed to protect us from foreign pathogens such as viruses and bacteria. However, during the process of generating immune cells for this purpose, as a negative consequence, self-reactive immune cells are also generated. This book aims to present the latest knowledge and insights regarding the different contributing factors and their interplay, discussions on several autoimmune diseases and their case studies, and therapeutic treatments, including stem cell, for autoimmune diseases.	392	2024	Immunology

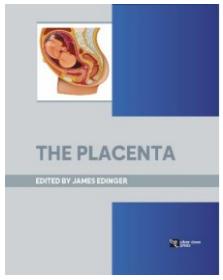
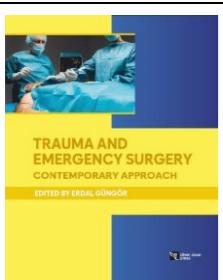
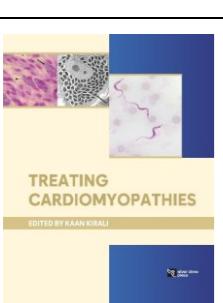
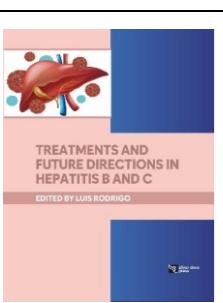
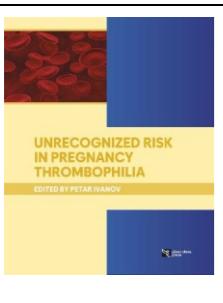
6		978-81-990352-3-2	Congenital Hernia of the Diaphragm	Eleanor Molloy	<ol style="list-style-type: none"> 1. Congenital Diaphragmatic Hernia with Emphasis on Embryology, Subtypes, and Molecular Genetics 2. Diaphragmatic Paralysis - Symptoms, Evaluation, Therapy and Outcome 3. Diaphragmatic Paralysis - Symptoms, Evaluation, Therapy and Outcome 4. Rare Congenital Diaphragmatic Defects 5. Genetics of Congenital Diaphragmatic Hernia 6. Genetics of Congenital Diaphragmatic Hernia 7. Congenital Diaphragmatic Hernia and Associated Anomalies 8. Congenital Diaphragmatic Hernia and Associated Anomalies 9. Congenital Diaphragmatic Hernia - State of the Art Reconstruction- Biologics Versus Synthetics 10. Congenital Diaphragmatic Hernia Survivors -Outcomes in Infancy, Childhood and Adolescence 	<p>Congenital Diaphragmatic hernia (CDH) occurs in approximately 1 in every 2,500 births and the cause is yet unknown. In CDH the diaphragm fails to form correctly, allowing herniation of the abdominal contents into the thoracic cavity and results in pulmonary hypoplasia. This book describes the embryology, genetics, antenatal diagnosis, management, associated congenital anomalies and long-term outcomes of children with CDH. It is a valuable up-to-date reference for pediatricians, neonatologists and allied health professionals who care for children with CDH.</p>	178	2024	Pediatric Gastroenterology
7		978-81-990352-7-0	Frailty Syndrome and muscle deterioration	Grazia D'Onofrio	<ol style="list-style-type: none"> 1. Introductory Chapter- Frailty and Sarcopenia – Recent Evidence and New Perspectives 2. Prevalence of Sarcopenia According to the Method Used to Determine Physical Performance 3. Sarcopenia in Patients with End-Stage Cardiac Failure Requiring Ventricular Assist Device or Heart Transplantation 4. Sarcopenia- Technological Advances in Measurement and Rehabilitation 5. Attenuating Cancer Cachexia-Prolonging Life 6. Cardiac and Cancer-Associated Cachexia - Role of Exercise Training, Non-coding RNAs, and Future Perspectives 7. Combined Ketogenic Diet and Walking Exercise Interventions in Community Older Frailty and Skeletal Muscle Sarcopenia 	<p>Sarcopenia is a symptom of aging that contributes to the functional decline of the musculoskeletal system, responsible for impaired gait and balance and a high risk of falls and serious fractures. Nutrition and exercise play a key role in the prevention and treatment of sarcopenia. Due to the multifaceted nature of sarcopenia, the best therapeutic approach is multidisciplinary, requiring collaboration between specialists such as geriatricians, internists, physiatrists, general practitioners, nutritionists, and physiotherapists. This book presents a comprehensive overview of sarcopenia with chapters on physiopathological mechanisms, assessment tools, and rehabilitation activities of the condition in the frail elderly.</p>	120	2024	Geriatrics
8		978-93-7391-986-7	Gastric Malignancy	Gyula Moszik	<ol style="list-style-type: none"> 1. Introductory Chapter - Gastric Cancer in the Past and Our Days 2. Epstein-Barr Virus-Associated Gastric Carcinoma - The Americas Perspective 3. Neuroendocrine Tumors of the Stomach - Gastric Apudomas 4. Impact of Stem Cell Genes in Gastric Cancer 5. Gastric Cancer- A Stem Cell Disease 6. Clinical Implications of Molecular Heterogeneity of Gastric Cancer 7. Molecular Prognostic Factors in Gastric Cancer 8. Systemic Inflammatory Reaction in Gastric Cancer 9. Surgical Management of Malignant Gastric Tumours 10. Molecular Targeting Therapy for Gastric Cancer 11. Gastric Cancer with Liver Metastasis (GCLM) and the Importance of Dormant Cancer Stem Cells 12. Malignant Gastric Tumours 	<p>Gastric cancer remains an important issue in the world of oncology. In 2013, it ranked fifth by global incidence and second by mortality. Really, it is true that the death rates have decreased significantly in the USA and in Europe over the 100-year period; meanwhile, gastric cancer can be characterized by poor prognosis and high mortality, with the exception of early diagnosed patients. Oncological (basic and clinical) research increased extremely in the last decades (including gastric cancer). The authors participating in this book are internationally well-known experts from 11 countries of the world, working in different fields of gastric cancer research, and they summarize the results obtained in the last years. The conclusions of these abovementioned observations fall between the findings of classical prospective, randomized, multiclinical, multinational (and meta-analyzed) generally accepted studies (in accordance with the presently applied and internationally accepted protocols) and the scientifically-based (however individual) molecular targeting organ therapies. The book</p>	282	2024	Gastroenterology
9		978-93-7391-582-1	Genes and Autoimmunity - Intracellular Signaling and Microbiome Contribution	Junichi Tani	<ol style="list-style-type: none"> 1. Genetic Susceptibility to Graves' Ophthalmopathy 2. Gene Polymorphisms of Immunoregulatory Cytokines IL-10 and TGF-β1 in Systemic Lupus Erythematosus 3. Toll-Like Receptor 3 and Retinoic Acid-Inducible Gene-I Implicated to the Pathogenesis of Autoimmune Renal Diseases 4. Gene Expression Pattern Characterizes Development of Multiple Sclerosis 5. Costimulatory Molecules in Rheumatic Diseases Revisited with an Emphasis on Their Roles in Autoimmune Sjögren's Syndrome 6. Immune Synapses Between Lymphocytes and Target Cells in Autoimmune Thyroid Diseases 7. Microbiome and Autoimmunity 8. Environmental Factors and Type 1 Diabetes Mellitus in Pediatric Age Group 9. Common Mechanisms of Pathogenesis of Tissue-Specific Autoimmune 	<p>Autoimmune disorders are known to affect a substantial number of people worldwide, demonstrating a gender bias and are the second largest cause of chronic illness. Recently, the attention has been focused on lifestyle changes as a major factor in the rise of autoimmune disease frequency. The two sections of this book are focused on the new opportunities for moving research forward, leading to a new approach to prevention and treatment of autoimmune diseases. A better understanding of the mechanisms of gene expression and triggering signaling pathways, which is involved in autoimmune pathogenesis simultaneously with current data for the interaction of microbiota with human immune system, will help to better understand the immune imbalance implicated in autoimmunity.</p>	270	2024	Immunogenetics
10		978-93-7391-239-4	Genetic Disorders	Cristina Maria Mihai	<ol style="list-style-type: none"> 1. Origin of the Genetic Code and Genetic Disorder 2. Inbreeding and Genetic Disorder 3. Cytogenetic Techniques in Diagnosing Genetic Disorders 4. Functional Interpretation of Omics Data by Profiling Genes and Diseases Using MeSH-Controlled Vocabulary 5. Targeted Metabolomics for Clinical Biomarker Discovery in Multifactorial Diseases 6. Thalassemia Syndrome 7. Genomic Study in β-Thalassemia 8. HMG-CoA Lyase Deficiency 9. Mitochondrial HMG-CoA Synthase Deficiency 10. Alström Syndrome 11. Alpha One Antitrypsin Deficiency- A Pulmonary Genetic Disorder 	<p>The studies on genetic disorders have been rapidly advancing in recent years as to be able to understand the reasons why genetic disorders are caused. The first Section of this volume provides readers with background and several methodologies for understanding genetic disorders. Genetic defects, diagnoses and treatments of the respective unifactorial and multifactorial genetic disorders are reviewed in the second and third Sections. Certainly, it is quite difficult or almost impossible to cure a genetic disorder fundamentally at the present time. However, our knowledge of genetic functions has rapidly accumulated since the double-stranded structure of DNA was discovered by Watson and Crick in 1956. Therefore, nowadays it is possible to understand the reasons why genetic disorders are caused. It is probable that the knowledge of genetic disorders described in this book will lead to the discovery of an epoch of new medical treatment and relieve human beings from the genetic disorders of the future.</p>	472	2024	Genetics

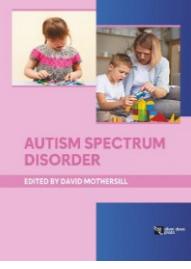
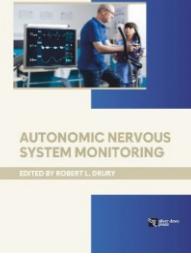
11		978-93-7391-705-4	Geriatrics medicine	Craig Atwood	<ol style="list-style-type: none"> Physical Function in Older People Sarcopenia in Older People The Epidemiology of Vascular Dementia Swallowing Difficulties in Elderly People-Impact of Maxillomandibular Wedging Association of Disease-Specific Mortality with Fitness Measurements and Nonparticipation in an 80-Year-Old Population Behavioral Treatment for Geriatric Syndrome Aging and Exercise Training on the Neuromuscular Functions of Human Movements Tailor-Made Programs for Preventive Falls that Match the Level of Physical Well-Being in Community-Dwelling Older Adults Vaccine-Preventable Infectious Respiratory Diseases in the Elderly Preventive Geriatrics Approach by Slow Calorie 	<p>With the baby boomer generation reaching 65 years of age, attention in the medical field is turning to how best to meet the needs of this rapidly approaching, large population of geriatric individuals. Geriatric healthcare by nature is multi-dimensional, involving medical, educational, social, cultural, religious and economic factors. The chapters in this book illustrate the complex interplay of these factors in the development, management and treatment of geriatric patients, and begin by examining sarcopenia, cognitive decline and dysphagia as important factors involved in frailty syndrome. This is followed by strategies to increase healthspan and lifespan, such as exercise, nutrition and immunization, as well as how physical, psychological and socio-cultural changes impact learning in the elderly. The final chapters of the book examine end of life issues for geriatric patients, including effective advocacy by patients and families for responsive care, attitudes toward autonomy and legal instruments, and the cost effectiveness of new health care technologies and services.</p>	234	2024	Geriatrics
12		978-93-7391-434-3	Gestational Diabetes Mellitus - Recent Developments	Cristian Espinoza		<p>The incidence of gestational diabetes mellitus (GDM) is increasing, and this pathological condition is strongly associated with some serious adverse pregnancy outcomes and important miscellaneous long-term complications. Therefore, it is important that GDM is timely recognized and adequately managed. Although much knowledge has been acquired regarding the prevention, diagnosis, implications, and management of GDM, the exact mechanisms of its genesis are still under investigation. This book provides a comprehensive overview of recent advances in gestational diabetes mellitus. It includes three major sections directing the reader's attention to the etiology, management, and consequences of the disorder.</p>	152	2024	Reproductive Endocrinology
13		978-93-7391-626-2	Healthcare Practices for Enhanced Patient Safety - vol 1	Glynda Rees Doyle	<p>Introduction Acknowledgments Disclaimer Chapter 1. Infection Control Chapter 2. Patient Assessment Chapter 3. Safe Patient Handling, Positioning, and Transfers Chapter 4. Wound Care Chapter 5. Oxygen Therapy Chapter 6. Non-Parenteral Medication Administration Chapter 7. Parenteral Medication Administration</p>	<p>This content is developed to ensure best practice and quality care based on the latest evidence, and to address inconsistencies in how clinical health care skills are taught and practised in the clinical setting. The checklist approach, used in this textbook, aims to provide standardized processes for clinical skills and to help nursing schools and clinical practice partners keep procedural practice current. Each skill/procedure is covered in a chapter that has learning objectives, a brief overview of the relevant theory, checklists of steps for procedures with the rationale behind each step of the process, and a summary of key takeaways. Key terms are set in bold throughout the book and laid out again in a Glossary in the appendix. All 88 checklists are also summarized, and hyperlinked to the original checklist, in the appendix.</p>	552	2024	Healthcare managment
14		978-93-7391-142-7	Healthcare Practices for Enhanced Patient Safety - vol 2	Glynda Rees Doyle	<p>Chapter 1 Intravenous Therapy Chapter 2. Blood Glucose Monitoring Chapter 3. Tubes and Attachments</p>	<p>This content is developed to ensure best practice and quality care based on the latest evidence, and to address inconsistencies in how clinical health care skills are taught and practised in the clinical setting. The checklist approach, used in this textbook, aims to provide standardized processes for clinical skills and to help nursing schools and clinical practice partners keep procedural practice current. Each skill/procedure is covered in a chapter that has learning objectives, a brief overview of the relevant theory, checklists of steps for procedures with the rationale behind each step of the process, and a summary of key takeaways. Key terms are set in bold throughout the book and laid out again in a Glossary in the appendix. All 88 checklists are also summarized, and hyperlinked to the original checklist, in the appendix.</p>	246	2024	Healthcare managment
15		978-93-7391-224-0	Hepatic Toxicology	Costin Streba	<ol style="list-style-type: none"> Drug-Induced Hepatotoxicity Oncological-Therapy-Associated Liver Injuries Paracetamol-Induced Hepatotoxicity Radiation Induced Liver Toxicity COVID-19 Outcomes and Liver Disease Non-Alcoholic Fatty Liver Disease and Its Potential Therapeutic Strategies Hepatocellular Carcinoma 	<p>This book discusses the various therapeutic agents and pathologies that can have a negative impact on liver function. The profound changes such agents may exert on the liver, an essential organ, can severely alter a patient's metabolism, negatively impacting the course of a disease and thus significantly shortening life expectancy and negatively affecting outcomes. This book provides a comprehensive overview of these selected issues with chapters on epidemiology, pathogenesis, clinical manifestations, diagnostic methods, and treatment options in the context of hepatotoxicity.</p>	132	2024	Hepatology

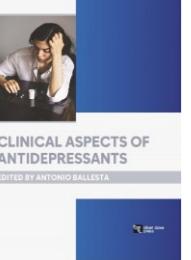
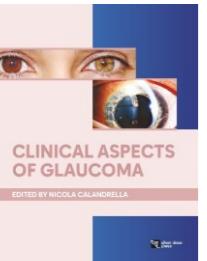
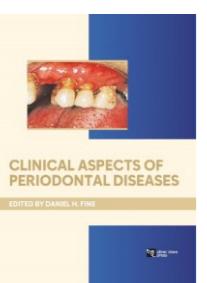
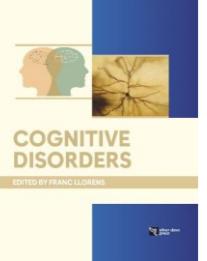
16		978-93-7391-757-3	Hysterectomy	Eugen Ancață	<ol style="list-style-type: none"> 1 Hysterectomy: Past, Present and Future 2 From Open to Minimally Invasive: The Sacrocolpopexy 3 Perspective Chapter: Total Vaginal Hysterectomy for Unprolapsed Uterus 4 Laparoscopic Hysterectomy in Morbidly Obese Patients 5 Bleeding after Hysterectomy: Recommendations and What to Expect 6 Surgical Site Infection after Hysterectomy 7 Cases of Postpartum Hemorrhage and Hysterectomy in Thailand's Northern and Northeastern Provincial Hospitals 8 Management of Vaginal Vault Prolapse after Hysterectomy 	Hysterectomy is a common gynaecological procedure. This book presents a comprehensive overview of this surgery, including a brief history of the procedure, the different techniques used, how to choose the appropriate method, and potential complications.	120	2024	Obstetrics and Gynecology
17		978-93-7391-436-7	Integrative Pediatrics	Öner Özdemir	<ol style="list-style-type: none"> 1. Pediatric Ophthalmology - Eye and Disorders 2. Acquired Cryptorchidism - What Should We Know 3. Merits and Arguments Related to Circumcision 4. Nifedipine Gel with Lidocaine in the Treatment of Anal Fissure in Children 5. Oxidative Stress of Newborn 6. Pain Management and Nursing Approaches in Pediatric Oncology 7. Snake Bites in Pediatric Patients, a Current View 8. What is the Role of Pediatricians on Oral Health 9. Interdisciplinary Model of Attention for Children Undergoing Hospitalized Surgical Procedures 10. Adolescent Psychosocial Development and Evaluation 11. Comparisons of Bully and Unwanted Sexual Experiences Online and Offline Among a National Sample of Youth 	Complementary Pediatrics covers complementary issues of pediatric subspecialties consisting of ophthalmologic, surgical, psychosocial and administrative issues of frequently used medications. This book volume with its 16 chapters will help get us and patients enlightened with the new developments on these subspecialties' area.	336	2024	Pediatrics
18		978-93-7391-236-3	IVF - Clinical Innovation	Mitko Ivanovski	<ol style="list-style-type: none"> 1 The Role of Low-Dose hCG1 in the Late Follicular Phase of Controlled Ovarian Hyper Stimulation (COH) Protocols. 2 Gene Expression and Premature Progesterone Rise 3 The Role of Ultrasound in the Evaluation of Endometrial Receptivity Following Assisted Reproductive Treatments 4 Methods for Sperm Selection for In Vitro Fertilization 5 Analysis of Permissive and Repressive Chromatin Markers in In Vitro Fertilized Bovine Embryos Just After Embryonic Genome Activation 6 Safety in Assisted Reproductive Technologies: Insights from Gene Expression Studies During Preimplantation Development 7 Third Millennium Assisted Reproductive Technologies: The Impact of Oocyte Vitrification 8 Preimplantation Genetic Testing: Current Status and Future Prospects 	The field of In Vitro Fertilization is a relatively new field in medicine, constantly on the move. This field is an exquisite example of the vast power in the complementary use of basic research with clinical practice and opened a new route of great basic and clinical research possibilities. The knowledge base that allowed the accomplishment of the idea of in vitro fertilization and embryo transfer has much developed since. The vast body of research pertaining to this field allowed deepening our understanding in the processes related to reproduction. In this book on in vitro fertilization we present new and interesting updated information in various aspects of this field. This work is a result of collaborative work of an international group of professionals dedicated to contribute to the advancement of our knowledge.	158	2024	Reproductive Endocrinology and Infertility
19		978-93-7391-648-4	Leishmania Parasites - Epidemiology, Immunopathology and Hosts	Stephen Kyari	<ol style="list-style-type: none"> 1. Introductory Chapter- Leishmania Parasites –Epidemiology and Immunopathogenesis 2. Epidemiology of Leishmaniasis 3. Epidemiology of Visceral Leishmaniasis in India 4. Leishmaniasis Epidemiology and Psychosocial Aspect 5. Cutaneous Leishmaniasis 6. Visceral Leishmaniasis 7. From Biology to Disease 8. Feline Leishmaniasis 9. Current Challenges in the Association between Canine Leishmaniasis and Malignant Disorders 	Leishmania parasites are a group of pathogens responsible for diseases known as leishmaniases. These pathologies affect predominantly the poorest people, mainly in tropical countries, exerting a high impact on mortality and morbidity rates. The absence of a vaccine and the reduced drug arsenal, associated with the diversity in the clinical presentation and hosts, highlight the complexity of the disease and its position as a worldwide public health problem. This book addresses different aspects related to leishmaniases, such as epidemiology, immunopathology, and the challenges of disease in humans and domestic animals. The information presented contributes to a better understanding of the Leishmania parasites and different clinical forms produced by infection, as well as their distribution around the world and their impacts on public health.	156	2024	Infectious Disease
20		978-93-7391-726-9	Liver Scarring	Georgios Tsoulfas	<ol style="list-style-type: none"> 1. Noninvasive Biomarkers for the Diagnosis of Liver Fibrosis and Cirrhosis 2. Genetics of Biliary Atresia 3. Nonalcoholic Fatty Liver Disease 4. Formation of Systemic Changes Features with Fatal Complications of Metabolic Syndrome and Chronic Diffuse Liver Diseases 5. Phytotherapy and Liver Disease 6. Molecular and Cellular Aspects of Cirrhosis and How an Adenosine Derivative Could Revert Fibrosis 7. Nonischemic Cardiomyopathy in Liver Transplant Recipients 8. Pharmacotherapy of Hepatic Encephalopathy 9. New Perspectives on the Use of Sub-Optimal Donor Livers 	Liver Scarring and its complications affect millions of patients of all ages around the globe and present treating physicians with perplexing problems, given the variety of etiologies and the critical nature of hepatic physiology. This book is a collection of chapters offering the distilled knowledge of various worldwide experts in hepatic surgery and hepatic physiology. The various debates that are presented regarding the diagnosis and treatment of liver cirrhosis and its significant complications, in addition to the most up-to-date information regarding molecular aspects, provide the reader with the full spectrum of knowledge in this challenging and continuously evolving field.	166	2024	Hepatology

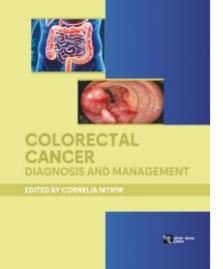
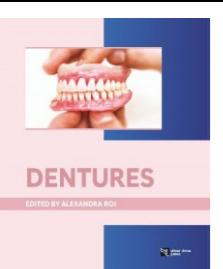
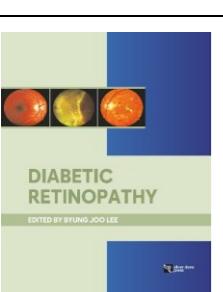
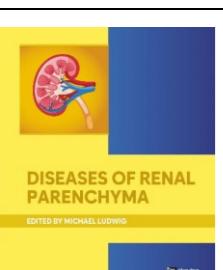
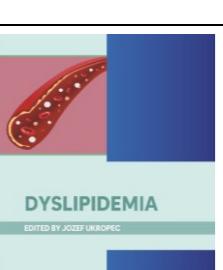
21		978-93-7391-697-2	Medical Case Studies	Alan Titchenai	Case Study #1: Chronic Obstructive Pulmonary Disease (COPD) Case Study #2: Pneumonia Case Study #3: Unstable Angina (UA) Case Study #4: Heart Failure (HF) Case Study #5: Motor Vehicle Collision (MVC) Case Study #6: Sepsis Case Study #7: Colon Cancer Case Study #8: Deep Vein Thrombosis (DVT)	Medical Case Studies is composed of eight separate health case studies. Each case study includes the patient narrative or story that models the best practice (at the time of publishing) in healthcare settings. Associated with each case is a set of specific learning objectives to support learning and facilitate educational strategies and evaluation.	168	2024	Medicine - General
22		978-93-7391-061-1	Medical Embryology	Feng Gao	1 Impact of Body Mass Index (BMI) on Retrieval of Oocyte Numbers in In Vitro Fertilization Women. 2 Human Sperm Vitrification: Review of Recent Progress 3 Beyond Survival Effects of Vitrification-Warming on Epigenetic Modification and Maternal Transcripts of Oocytes 4 Improving Embryo Quality by Strictly Controlling IVF Laboratory Environment 5 Embryo Transfer in In-Vitro Fertilization: Factors Affecting Successful Outcome 6 Molecular and Cellular Mechanisms Underlying Preimplantation Embryo Development 7 Perspective Chapter: What about Embryo's Rights? 8 The Hepatic Fetal Venous System 9 Historic Background and Current Perspectives in Dental Crown Formation	Embryology is the study of the prenatal development of gametes (sex cells), fertilization, and development of embryos and fetuses. There have been many technological innovations and advancements in this field over the last decade, especially in in vitro fertilization (IVF). This book discusses these innovations and presents recent and relevant research. The chapters discuss gamete collection and freezing, how to improve IVF outcomes, embryo development, organogenesis of the early embryo, and much more.	152	2024	Assisted Reproduction
23		978-93-7391-276-9	Metabolic dysfunction-associated fatty liver disease (MAFLD)	Ju-Seop Kang	Chapter 1 : Non-Alcoholic Fatty Liver Disease - Pathogenesis and the Significance of High-Density Lipoprotein as a Molecular Modifier Chapter 2 : Hepatic Lipid Homeostasis in NAFLD Chapter 3 : Transcriptional Regulation by ERR and Its Role in NAFLD Pathogenesis Chapter 4 : Role of the Enzyme Heparanase in the Development of Fatty Liver Chapter 5 : Regulation of Iron Metabolism in NAFLD-NASH Chapter 6 : Therapeutic Approach to NAFLD-NASH	Metabolic dysfunction-associated fatty liver disease (MAFLD) with a prevalence of 20-30% worldwide is characterized by the buildup of fat in the liver (liver steatosis) with no or little alcohol consumption. Its principal causes are modern diet and occidental lifestyle. It is characterized by metabolic disturbances such as insulin resistance, inflammation, and oxidative stress, considered as the hepatic manifestation of metabolic syndrome. There is no effective drug therapy for this disease; therefore, lifestyle interventions remain as the first-line treatment. Nevertheless, the adherence rates to this type of treatment are very low, so great efforts are focused at finding novel therapeutic agents for the prevention of hepatic steatosis and its progression. This book presents a systematic and comprehensive revision about NAFLD, highlighting its epidemiological and molecular aspects, as well as its prevention and treatment.	144	2024	Hepatology
24		978-93-7391-967-6	Neonatal Congenital Anomalies	Rita P. Verma	1. Introductory Chapter- Epidemiology, Evaluation and Risk Assessment of Congenital Anomalies 2. The Pathogenesis of Congenital Anomalies- Roles of Teratogens and Infections 3. The Impact of Maternal Infection on the Neonate 4. Approach to the Newborn with Disorders of Sex Development 5. Congenital Anomalies of the Gastrointestinal Tract 6. Congenital Anomalies of the Gastrointestinal Tract 7. Congenital Diaphragmatic Hernia - A Major Challenge for Neonatologists 8. Transposition of Great Arteries 9. Genetics of Sirenomelia, the Mermaid Syndrome 10. Wiskott-Aldrich Syndrome 11. Fetal Congenital Anomalies in Africa -Diagnostic and Management Challenges	Congenital Anomalies constitute a large group of diverse biochemical, histological, and anatomical defects presenting at birth and caused by a myriad of inherently unrelated etiopathogenic factors. A significant number of cases are idiopathic. With striking variability in clinical manifestation, the outcomes range from inconsequential to lethal, with immense medical, social, emotional, and financial implications. The principles of management vary from medical, surgical, none, or both, and the surgical procedures can be lifesaving or merely cosmetic. This book discusses the epidemiology, etiopathogenesis, recurrence risk, and specific clinical and investigational evaluation of congenital malformations. In addition, the book reviews the embryology, anatomy, pathophysiology, and updated management concepts of some of the most complex and intriguing anomalies of the major organ systems.	206	2024	Neonatology
25		978-93-7391-567-8	Neural Science	Dr. William Ju	Unit 1 – Neuroscience: The Basics Unit 2 – Neurodegeneration Unit 3 – Fundamental Neuroscience Techniques (and when to use them) Unit 4 – Emergent Topics in Neuroscience	Neural Science is a comprehensive source that examines the nervous system, neurodegeneration, techniques in studying neuroscience and emerging topics in the field.	456	2024	Neuroscience

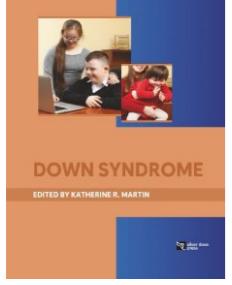
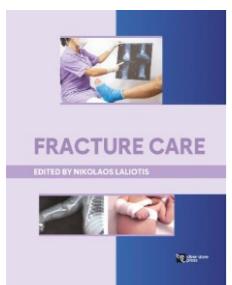
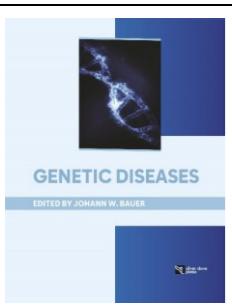
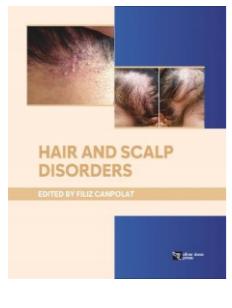
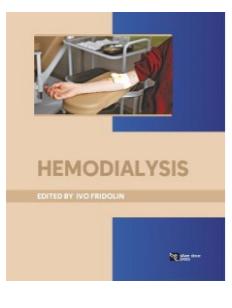
26		978-93-7391-965-2	Pediatric and Neonatal Surgical procedures	Joanne Baerg	<ol style="list-style-type: none"> 1. Perioperative Care of the Neonate 2. Anesthetic Management of the Newborn Surgical Patient 3. Spinal Anaesthetic Management in Paediatric Surgery 4. Neonatal Tumors 5. Pre and Postoperative Management of Pediatric Patients with Congenital Heart Diseases 6. Caustic Ingestion 	<p>Pediatric and Neonatal Surgery is a broad field with many challenges. The aim of this short book is to provide the reader with several informative chapters in the field of neonatal and pediatric surgery. Each chapter provides details on a specific area of this changing field. The scope of this book focuses on a few areas that are rare and challenging. For example, it covers preoperative and postoperative care of neonates. Important anesthesia considerations, including anesthesia for neonates and regional anesthesia, are discussed. A unique chapter on neonatal tumors is presented. The book provides an overview of the recent recommendations for care of infants and children that undergo cardiac surgery. The challenging aspects of caustic ingestion are explained. Each chapter stands alone as a detailed source of information for the reader. This book brings updated information with structured headings that will allow the reader to remain focused as the material is reviewed.</p>	156		2024	Pediatrics / Neonatology
27		978-93-7391-782-5	Pelvic Floor Dysfunction - Symptoms, Causes, and Treatment	Xinyao Zhou and Jianxin Lu	<ol style="list-style-type: none"> 1 Pelvic Floor Disorders in Females: An Overview on Diagnostics and Therapy 2 Pelvic Floor Muscle Activity in Relation to Body Position and Breath 3 Perineal Management and Episiotomy Practice in Chile 4 Therapeutic Effect of Magnetic Stimulation Therapy on Pelvic Floor Muscle Dysfunction 31 5 Management of Hunner Lesion in Interstitial Cystitis/Bladder Pain Syndrome Patients 47 6 Development of Management Model Post-Stroke Urinary Incontinence 57 7 Rehabilitation Protocols for Children with Dysfunctional Voiding 75 8 Surgical Treatment of Pelvic Organ Prolapse 99 	<p>Pelvic floor disorders (PFDs) refer to a group of conditions, such as urinary incontinence, fecal incontinence, and pelvic organ prolapse, due to weakened or injured pelvic muscles and connective tissues. People with PFDs face several social, mental, and physical health effects due to the bothersome symptoms. In this book, experts and researchers from different countries present the latest evidence in diagnosis and treatment of PFDs. Chapters cover such topics as pelvic floor muscle activity, PFDs and pregnancy and childbirth, non-invasive therapy, dysfunctional voiding in children, and much more.</p>	118		2024	Urogynecology
28		978-93-7391-651-4	Psoriasis - A Multidisciplinary Approach	Doina Azoicai	<ol style="list-style-type: none"> 1 Psoriasis and Genetics 2 A Review of Possible Triggering or Therapeutic Effects of Antimicrobial Vaccines on Psoriasis 3 Pathogenic Role of Cytokines and Effect of Their Inhibition in Psoriasis 4 Human Translational Research in Psoriasis Using CLA+ T Cells 5 Psoriatic Animal Models Developed for the Study of the Disease 6 Immune System Links Psoriasis-Mediated Inflammation to Cardiovascular Diseases via Traditional and Non-Traditional Cardiovascular Risk Factors 7 Clinical and Epidemiological Factors Predicting the Severity of Psoriasis 8 Ultrasonography as a New, Non-Invasive Imagistic Technique Used for the Diagnosis and Monitoring of Psoriasis 9 Pharmacogenetics of Psoriasis Treatment 10 The Role of Methotrexate in Psoriatic Therapy in the Age of Biologic and 	<p>In 2014, psoriasis was recognized as a serious noncommunicable disease in the World Health Assembly Resolution WHA67.9, with a great negative impact on patients' quality of life. Psoriasis is a worldwide chronic disease, affecting all ages and all races, and a serious global health problem. Psoriasis is a complex disease with still unknown etiology and no specific curative treatment. The chapters provide comprehensive and new description of some issues related to psoriasis research and for understanding of clinical correlations, genetic aspects, experimental research, and potential therapeutic interventions. The book could be a source of information for clinicians and researchers from different fields in raising awareness of the disease.</p>	236		2024	Dermatology
29		978-93-7391-480-0	Significance of Lymphocytes	Kei Yoshitome	<ol style="list-style-type: none"> 1. Alteration of Various Lymphocytes by Particulate and Fibrous Substances 2. Lymphocyte Signaling and Function in Altered Physiological Environments 3. Signaling Pathway for the Development of Pre-B Cells 4. Understanding B Lymphocyte Development 5. Prognostic and Therapeutic Implications of Lymphocytes in Hematological Disorders and Solid Malignancies 6. Lymphocytes Studied by Raman Microspectroscopy 7. Radiation Protective and Immunopotentiating Effect of Lymphocytes by β-Glucan 	<p>Although all the features of the immune system have not been fully resolved yet, the knowledge we have gained from studies on lymphocytes, the basic elements of the immune system, is quite lucid. For this reason, the significance of lymphocytes (the cells that are the source of most of the information we have obtained about the human genome, the negative effects of drugs on the genetic system, the development and behavior of immune system, antigen-antibody association, cytotoxic adaptive immunity, antibody-driven adaptive immunity, cancer and autoimmune diseases) is clear. Studies on lymphocytes will not only help us develop tools to combat human diseases more effectively in the future, but will also help us understand how evolution shapes the immune system in living organisms.</p>	120		2024	Immunohematology
30		978-93-7391-258-5	The ECG in heart failure and Cardiac Electrophysiology	Umeshankar Lakshmanadas	<ol style="list-style-type: none"> 1. Introductory Chapter- Practical Approach to the Use of Intracardiac Echocardiography in Invasive Electrophysiology Procedures 2. The Role of Electrocardiographic Markers in the Prevention of Atrial and Ventricular Arrhythmias 3. Echocardiography and Other Noninvasive Imaging Techniques in the Selection and Management of Patients with Cardiac Resynchronization Therapy 4. Multimodality Echocardiographic Assessment of Patients Undergoing Atrial Fibrillation Ablation 5. Speckle-Tracking Imaging, Principles and Clinical Applications- A Review for Clinical Cardiologists 6. Cardiac Imaging in Hypertrophic Cardiomyopathy 7. Noninvasive Measurement of Pulmonary Capillary Wedge Pressure by Speckle Tracking Echocardiography 	<p>The world of echocardiography continues to be full of exciting new technological developments with an ultimate goal of better patient care. In this book, titled "Echocardiography in Heart Failure and Cardiac Electrophysiology", authors from various parts of the world contributed to the advancement of the field. We have included various chapters about the use of echocardiography and modalities of imaging in various common clinical scenarios - ranging from evaluation of commonly ignored right ventricle, imaging in congestive heart failure, to echocardiographic evaluation of critically ill patients. We have also included topics describing the use of echocardiography in cardiac electrophysiology with special interest to cardiac resynchronization therapy and atrial fibrillation ablation. These topics would be of great interest to the clinicians whether they are trainees, physicians, advanced care providers, or anyone involved in the patient care.</p>	192		2024	Cardiology

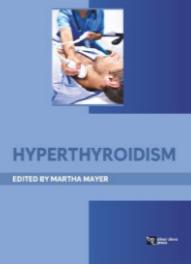
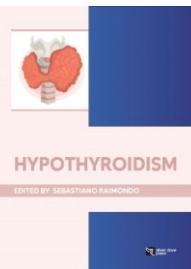
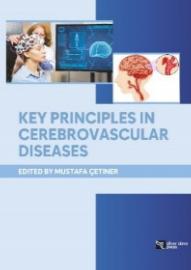
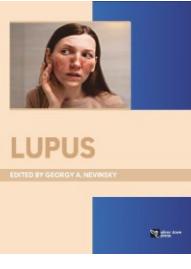
31		978-93-7391-796-2	The Placenta	James Edinger	<p>1 Chorioangioma of Placenta Placenta-Derived Mesenchymal Stromal Cells: Modulation of Immunity and Inflammation 2 Gene Expression Profiling of Placenta from Normal to Pathological Pregnancies 3 Complication of Abnormal Placental Implantation 4 Placental Malformation: Accreta and Beyond 5 Management of Placenta Accreta in Pregnancy with Placenta Previa 10. Management of High-Risk Obstetrical Patients with Morbidly Adherent Placenta in the Age of Resuscitative Endovascular Balloon Occlusion of the Aorta 8 Placenta Therapy: Its Biological Role of Anti-Inflammation and Regeneration</p>	<p>The placenta, amniotic fluid, umbilical cord, and cord blood can often be classified as pregnancy-specific biological substances with enormous applications in regenerative medicine. The Placenta includes eight chapters that provide readers with access to a range of information from basic mechanisms and assays to cutting-edge research investigating concerns for normal placentation. The book presents a comprehensive, translational look at all aspects of abnormal placentation and its effects on the maternofetal axis. It follows the relationship between placenta-derived mesenchymal stromal cells and modulation of immunity, gene expression, and inflammation. It also covers additional information concerning the management of placental complications, placental therapy, and biological roles of antiinflammation and regeneration. The Placenta will be of interest to scientists, embryologists, physicians, and lay readers wishing to review recent developments in the field of the placenta.</p>	140		2024	Obstetrics and Gynecology
32		978-93-7391-478-7	Trauma and Emergency Surgery - Contemporary Approach	Erdal Güngör	<p>1. Introductory Chapter- How to Contemplate the Hidden Threat in the Management of Multiple Trauma Patients 2. Pelvic Trauma 3. Eco-Guided Ankle Block- Analgesia and Anesthetic Technique for Foot Surgery 4. Severe Traumatic Brain Injury- Acute Treatment Based on Cerebral Perfusion Pressure 5. Pathways to Reduce Late Mortality of Hemorrhagic Shock 6. Enhanced Recovery after Surgery (ERAS) in Emergency and Trauma Surgery</p>	<p>How can we ensure the best outcomes for the trauma victim? The two most common causes of traumatic deaths and major sequelae are blood loss and neurological injuries, which account for two-thirds of trauma-related deaths. Hemorrhagic shock is an important cause of organ failure and late mortality, and 50% of early deaths (within the first 24 hours) due to trauma are due to bleeding. Regarding trauma resuscitation, significant changes have been achieved in the last three decades, resulting in substantial improvement in survival. However, blood loss is still the leading cause of death in the first 24 hours in hospital. Nowadays, optimal goals in resuscitation with fluids and blood products represent a hot debate. Permissive hypotension is increasingly recommended because high-volume fluid resuscitation may increase trauma-related bleeding, organ failure, and mortality. New agents such as tranexamic acid also offer life-saving opportunities. This book explores new advances in the struggle to save lives in trauma resuscitation.</p>	124		2024	Traumatology
33		978-93-7391-762-7	Treating Cardiomyopathies	Kaan Kirali	<p>1. Introductory Chapter- Last Crossroad 2. Pathophysiology in Heart Failure 3. Heart Failure with Preserved Ejection Fraction 4. Left Ventricular Noncompaction 5. Inherited Cardiomyopathies- From Genotype to Phenotype 6. Idiopathic Dilated Cardiomyopathy- Molecular Basis and Distilling Complexity to Advance 7. Cardiomyopathy Caused by Mutations in Nuclear A-Type Lamin Gene 8. Cardiomyopathy Caused by Mutations in Nuclear A-Type Lamin Gene 9. Complexity of Sarcomere Protein Gene Mutations in Restrictive Cardiomyopathy 10. Infective Cardiomyopathy 11. Novel Insights into the Pathophysiology of Chagas' Cardiomyopathy</p>	<p>Cardiomyopathies are the most featured cardiac pathologies in the twenty-first century, that threaten public health and burden healthcare budgets. This book is composed of the main topics on pathophysiology, general forms and specific types of cardiomyopathies and it also introduces new research in the field. Specific forms with or without genetic inheritance are discussed separately to attract the readers' attention on these topics. Well-known medical follow-up strategies occur ineffective at the end-stage heart failure, however, new surgical approaches can be an alternative for these patients to get a chance at the last crossroad and to improve their life quality and survival and also to gain or prolong time until possible heart transplantation.</p>	452		2024	Cardiology
34		978-93-7391-983-6	Treatments and Future Directions in Hepatitis B and C	Luis Rodrigo	<p>1. Molecular Variants for HBsAg- Surface and Subtype 2. Hepatitis B Genotyping and Clinical Implication 3. Coinfection of Hepatitis B and C in HIV Patients-A Review of the State of the Art 4. Hepatitis B and C Viruses 5. Challenges and Strategies for Access to Treatment of Hepatitis C in Latin America 6. Direct-Acting Antivirals in Chronic Hepatitis C Infection with Liver Cirrhosis</p>	<p>This book on Hepatitis B and C contains very useful and recent information about the general characteristics of these common types of chronic liver infections. Referred to as Hepatitis B, there are three chapters describing the main epidemiological, clinical, therapeutic, and prognosis aspects. The molecular variants for HBsAg, its genotyping, and their clinical implications are fully analyzed. The implications of coinfection Hepatitis B and C in HIV patients and their treatment are described. In relation to Hepatitis C, there are three chapters describing the general characteristics of this chronic viral infection. The challenges and strategies for access to treatment of Hepatitis C in Latin America are fully covered and these can be applied in other countries with similar epidemiological and financial problems for access to treatment on a large scale. The role of direct-acting antivirals (DAA) in the treatment of chronic Hepatitis C infection with liver cirrhosis is clearly documented.</p>	98		2024	Hepatology
35		978-93-7391-317-9	Unrecognized Risk in Pregnancy Thrombophilia	Petar Ivanov	<p>1. Genetics and Molecular Pathophysiology of Thrombotic States 2. Placenta Changes During Pregnancy with Thrombophilia — Influences of Low Molecular Weight Heparin Therapy 3. Main Types of Clinical Appearance of Thrombophilic States During Pregnancy — Target Groups for Thrombophilia Testing 4. Pharmacogenetics and the Treatment of Thrombophilia 5. Antiphospholipid Antibodies Syndrome and Reproductive Failures - New Therapeutic Trends Beyond Aspirin and Heparin 6. Thrombophilia in Systemic Lupus Erythematosus -A Review of Multiple Mechanisms and Resultant Clinical Outcomes 7. Thrombophilia in Assisted Reproductive Technology — Place and Needs of Thromboprophylaxis</p>	<p>Learn the recent statements concerning the impact and management of mother-fetal thrombophilia, the achievement necessary for gestation complication prevention and realizing a successful pregnancy valuation. Pregnancy Thrombophilia - The Unsuspected Risk encompasses complete many-sides aspects of thrombophilic conditions during pregnancy, including clinical and basic knowledge approach faced to: 1) Obstetricians, IVF involving gynecologists, Internists, and General practitioners, especially skilled in high risk pregnancy assessment will receive up to date evidence for mother thrombophilia testing indications, an incoming pharmacogenetic approach of individualized antithrombotic therapy and thrombotic tendency management in assisted reproductive technics; 2) Physicians, in particular geneticists, biologists and all researchers, who combine the science of the laboratory with teaching practice, will have essential benefits from the chapters of physiology, pathological and molecular basis of maternal/fetus thrombophilia; 3) The mother-health incorporated</p>	164		2024	Obstetrics and Gynecology

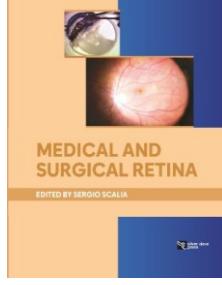
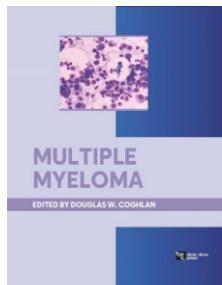
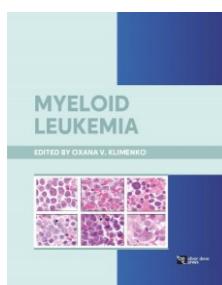
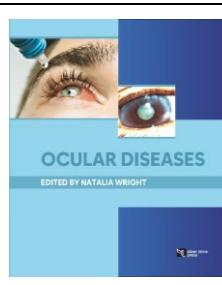
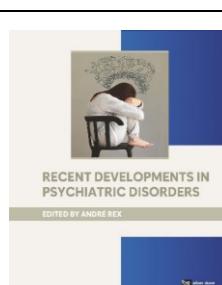
36		978-93-7391-143-4	Updates on Brain Ischemia	Bernhard Schaller	<ol style="list-style-type: none"> 1. Ischemic Postconditioning after Stroke - Another Concept for the Trigeminocardiac Reflex 2. Excitotoxicity and Oxidative Stress in Acute Stroke 3. Cerebral Ischemia Induces Neuronal Vulnerability and Astrocytic Dysfunction in Stroke-Prone Spontaneously Hypertensive Rats 4. Importance of the Arterial Blood Supply to the Rabbit and Guinea Pig Spinal Cord in Experimental Ischemia 5. Forebrain Ischemic Stroke and the Phenomenon of Ischemic Tolerance - Is Homocysteine Foe or Friend 6. Immune System Involvement in the Degeneration, Neuroprotection, and Restoration after Stroke 7. Cerebrovascular Anatomy, Neuropathology, Clinics of Stroke- Endovascular Treatment, Decompressive Craniectomy 	<p>This book covers all aspects and the most vibrant topics of ischemic stroke research: from basic sciences to latest methods of clinical applications. The authors give an overview of what has importance today in stroke research and also strike future ideas. The diversity of origin of the internationally known authors underlines not only that ischemic stroke research is nowadays global but also that this diversity gives new and valuable inputs to treat our patients.</p>	258		2024	Neurology
37		978-93-7391-574-6	Advances in Stem cell Transplants	Taner Demirer	<ol style="list-style-type: none"> 1 Hematopoietic Stem Cell Source and Storage 2 Progress in Cryopreservation of Stem Cells and Immune Cells for Cytotherapy 3 Use of Monoclonal Antibodies in Conditioning Regimen in Transplantation 4 Progress in Haploididentical Hematopoietic Stem Cell Transplantation 5 Cell Therapy in Huntington's Disease 6 Antiaging — Effect of Stem Cells on Aging and Stem Cell Aging 7 Mesenchymal Stem Cell Manufacturing for Clinical Use 8 Trends in Mesenchymal Stem Cells' Applications for Skeletal Muscle Repair and Regeneration 9 Mesenchymal Stem Cells — Their Antimicrobial Effects and Their Promising Future Role as Novel Therapies of Infectious Complications in High Risk Patients 	<p>This book documents the increased number of stem cell-related research, clinical applications, and views for the future. The book covers a wide range of issues in cell-based therapy and regenerative medicine, and includes clinical and preclinical chapters from the respected authors involved with stem cell studies and research from around the world. It complements and extends the basics of stem cell physiology, hematopoietic stem cells, issues related to clinical problems, tissue typing, cryopreservation, dendritic cells, mesenchymal cells, neuroscience, endovascular cells and other tissues. In addition, tissue engineering that employs novel methods with stem cells is explored. Clearly, the continued use of biomedical engineering will depend heavily on stem cells, and this book is well positioned to provide comprehensive coverage of these developments.</p>	204		2025	Stem Cell Research
38		978-93-7391-982-9	Antimicrobial Immune Response	Lixing Huang	<ol style="list-style-type: none"> 1 Immune System of Fish: An Evolutionary Perspective 2 Host-Microbial Relationship: Immune Response to Microbial Infections with or without Medication 3 Role of Kupffer Cells in Systemic Anti-Microbial Defense 4 The Role of the Aryl Hydrocarbon Receptor (AhR) in the Immune Response against Microbial Infections 5 Metabotropic Receptors 4 and the Immune Responses 	<p>Infectious microbial agents such as viruses, bacteria, fungi, and parasites can cause pathological disorders and even death in organisms exposed to the environment. However, organisms have an immune system to control infection caused by pathogens. The immune system is divided into the innate and the adaptive immune systems. The innate immune system is the first mechanism to respond to infections, whereas the adaptive immune system is based on immune memory. This book provides an overview of antiviral and antibacterial immune responses in different immune-reactive organs and across different animal species, from higher to lower vertebrates.</p>	90		2025	Immunology
39		978-93-7391-976-8	Autism Spectrum Disorder	David Mothersill	<ol style="list-style-type: none"> 1 The Prevalence of Autism Spectrum Disorder in Europe 2 Epidemiology of ASD in Preschool-age Children in Japan 3 Identification of Autism Spectrum Disorder: The First Signs Identified by Algerian Parents 4 Stigma: An Investigative Analysis of the Irish Public's Knowledge and Perception of Autism 5 Neural Structure and Function in Autism Spectrum Disorder 6 Perspective Chapter: Rethinking Autism Assessment, Diagnosis, and Intervention within a Neurodevelopmental Pathway Framework 7 Perspective Chapter: Autism Spectrum Disorder Neurophenotype with Preconceptual and Prenatal Alcohol Exposure – A Call for Industry Responsibility in Prevention 8 Human Endogenous Retroviruses in Autism Spectrum Disorders:Recent 	<p>This book offers innovative constructs of knowledge and reasoning on autistic pathology according to the perspectives offered by functional neuroscience and neuroimaging data and considers new etiological perspectives and therapeutic strategies centered on the child and the family. Written by experts in the field, this book includes sixteen chapters organized into three sections on "Worldwide Epidemiology", "Neural Perspectives and Etiology", and "Therapeutic Strategies".</p>	280		2025	Learning Disability / Psychology
40		978-93-7391-597-5	Autonomic Nervous System Monitoring	Robert L. Drury	<ol style="list-style-type: none"> 1 HRV in an Integrated Hardware/Software System Using Artificial Intelligence to Provide Assessment, Intervention and Performance Optimization 2 Root Mean Square of the Successive Differences as Marker of the Parasympathetic System and Difference in the Outcome after ANS Stimulation 3 Heart Rate Variability Recording System Using Photoplethysmography Sensor 4 Modeling Thermoregulatory Responses to Cold Environments 5 Techniques to Reduce the Magnitude and Duration of Redistribution Hypothermia in Adults 6 Heart Rate Variability as Biomarker for Prognostic of Metabolic Disease 7 Evolution of Parasympathetic Modulation throughout the Life Cycle 8 The Role of Magnetic Resonance Imaging (MRI) in Autonomic Nervous System 	<p>Heart rate variability (HRV) is considered a reliable reflection of the many physiological factors modulating the normal rhythm of the heart. It reflects autonomic nervous system (ANS) function, and as such, it is used in numerous fields of medicine. Written by experts in the field, this book provides a comprehensive overview of HRV. The first section is dedicated to technical themes related to monitoring and the variables recorded. The second section highlights use of HRV in hypothermia. Finally, the third section covers general aspects of HRV application.</p>	126		2025	Cardiac Electrophysiology

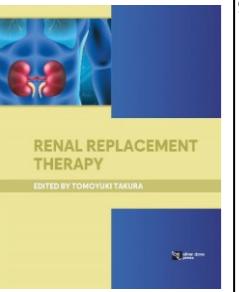
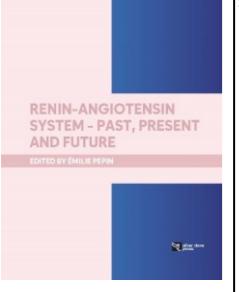
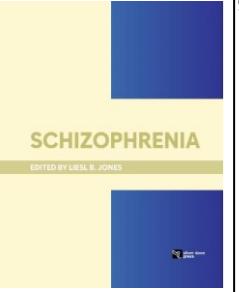
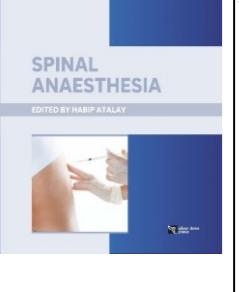
41		978-93-7391-770-2	Clinical Aspects of Antidepressants	Antonio Ballesta	<p>1 Introductory Chapter: Antidepressants - Preclinical, Clinical and Translational Aspects</p> <p>2 Rethinking the Use of Antidepressants to Treat Alcohol Use Disorders and Depression Comorbidity: The Role of Neurogenesis</p> <p>3 Resistant Depression</p> <p>4 Influences of Maternal Vulnerability and Antidepressant Treatment during Pregnancy on the Developing Offspring</p> <p>5 Orexin 2 Receptor Antagonists from Prefrontal Cortical Circuitry to Rodent Behavioral Screens</p>	<p>Major depression is a severe and prevalent brain disorder with a high disability burden, hence the push for effective treatments. Antidepressants have been around since the 1950s, and although current medications are much more effective than early ones, there is still much room for improvement. "Real" antidepressants, defined as those that "repair" or "improve" the depression-causing mechanism in the brains of depressed patients, have yet to be identified. This book presents current research on depression and antidepressants, including use of antidepressants in alcohol use disorders and pregnancy, treatment-resistant depression, and development of potential new medications.</p>	102	2025	Psychiatry
42		978-93-7391-438-1	Clinical aspects of Glaucoma	Nicola Calandrella	<p>1 Anatomy of Ciliary Body, Ciliary Processes, Anterior Chamber Angle and Collector Vessels</p> <p>2 Experimental Glaucoma After Oxidative Stress and Modulation of the Consequent Apoptotic Events in a Rat Model</p> <p>3 Genetics and Environmental Stress Factor Contributions to Anterior Segment Malformations and Glaucoma</p> <p>4 Emerging Concept of Genetic and Epigenetic Contribution to the Manifestation of Glaucoma</p> <p>5 Modern Aspects of Glaucoma Pathogenesis Local Factors for Development of Primary Open-Angle Glaucoma Associated with Impairment of Secretory Functions of the Eye Membranes</p> <p>6 Functional Defects Caused by Glaucoma – Associated Mutations in Optineurin</p>	<p>Glaucoma is a specialty in ophthalmology that includes a group of diseases that affect the optic disc and visual fields and is usually accompanied by increased intraocular pressure. This book addresses new topics in glaucoma that have not been included and expands topics that have been included in the previous glaucoma books published by InTech. The book is a product of balance between expedited publication and the will to encompass the whole field and therefore contains the latest developments and new perspectives in glaucoma. It is intended for glaucoma specialists, general ophthalmologists, trainees and researchers to increase the knowledge and understanding these complex diseases and to encourage further investigation for the benefit of the entire human community.</p>	512	2025	Ophthalmology
43		978-93-7391-050-5	Clinical Aspects of Multiple Sclerosis	Abhishek Shastri	<p>1 Introductory Chapter: State-of-the-Art Developments in Multiple Sclerosis</p> <p>2 Biomarkers in Multiple Sclerosis</p> <p>3 Exploring the Effect of Genetic, Environmental and Lifestyle Factors on Multiple Sclerosis Susceptibility</p> <p>4 Optical Coherence Tomography (OCT) and Angio-OCT Imaging Techniques in Multiple Sclerosis Patients with or without Optic Neuritis</p> <p>5 Perspective Chapter: Artificial Intelligence in Multiple Sclerosis</p> <p>6 Cognitive Impairments in Early Multiple Sclerosis</p> <p>7 Innate Immunopathological Mechanisms in Multiple Sclerosis</p>	<p>Multiple sclerosis (MS) is a lifelong neurological condition that has no known cure. This book provides an extensive exploration of current and future directions for understanding immunology, neuroscience, and the development of potent treatment modalities. It presents an in-depth analysis and expert commentary on the role of genetics, lifestyle factors, biomarkers, neuroimaging, cognitive domains, artificial intelligence, and innate immunity in MS pathogenesis. We hope that the book is helpful to readers of all spheres of life, including those who want to understand more about MS, those who are keen to improve their understanding of MS disease pathogenesis, those who are enthusiastic to know more about treatment modalities, and those who want to be informed about state-of-the-art clinical developments in MS.</p>	118	2025	Neurology
44		978-93-7391-522-7	Clinical aspects of Periodontal Diseases	Daniel H. Fine	<p>1 The Microbial Aetiology of Periodontal Diseases</p> <p>2 Microbiological Diagnosis for Periodontal Diseases</p> <p>3 Periodontal Disease and Gingival Innate Immunity – Who Has the Upper Hand?</p> <p>4 The Impact of Bacteria-Induced Adaptive Immune Responses in Periodontal Disease</p> <p>5 Effects of Smoking and Smoking Cessation and Smoking Cessation Intervention</p> <p>6 The Emerging Concepts on the Impact of Periodontitis on Systemic Health</p> <p>7 Systemic Effects of Periodontal Diseases: Focus on Atherosclerosis</p> <p>8 Diabetes Mellitus Impact on Periodontal Status in Children and Adolescents</p> <p>9 One for All™: How to Tackle with Diabetes, Obesity and Periodontal Diseases</p>	<p>"Periodontal diseases" is a web-based resource intended to reach the contemporary practitioners as well as educators and students in the field of periodontology. It is fully searchable and designed to enhance the learning experience. Within the book a description is presented of the current concepts presenting the complex interactions of microbial fingerprint, multiple genotypes, and host modulations. In addition, an overview is given of the clinical outcome of the disease's progression, as influenced by the epigenetic factors. Emerging concepts on periodontitis as a risk factor for various systemic diseases and as a bilateral modulating factor have been elucidated in detail as well.</p>	362	2025	Dentistry
45		978-93-7391-504-3	Cognitive Disorders	Franc Llorens	<p>1 Introductory Chapter: Cognitive Disorders and Its Historical Background</p> <p>2 Cognitive Impairment in Patients with Diabetes Mellitus</p> <p>3 Tauopathy</p> <p>4 Tau Protein as a Biological Fluid Biomarker in Neurodegenerative Dementias</p> <p>5 Tau in Tauopathies That Leads to Cognitive Disorders and in Cancer</p> <p>6 Re-Framing and Re-Thinking Dementia in the Correctional Setting</p> <p>7 Effective Restorative Home Support for Older People Living with Dementia and Their Caregivers: A New Zealand Case Study</p> <p>8 The Hypothalamus in Alzheimer's Disease: A Golgi and Electron and Microscope Study</p> <p>9 Updated Information on Some Cognitive Disorders</p>	<p>This book contains selected peer-reviewed chapters that cover novel information on cognitive disorders and updated information on dementias written by international researchers. In this project, we discuss the effect of metabolic disorders on the development of cognitive disorders in patients with type 1 diabetes mellitus. In another chapter, the authors highlight the usability of an assistive software application developed for patients with dementia. On the other hand, an extensive review of novel information on different types of dementia is made. This chapter covers the novel aspect of dementia without ignoring its foundation. Therefore, apart from classic issues that cannot be missed in any textbook about cognitive disorders, we introduce updated information on the commonest dementias. The current situation of the prisoner population with dementia in a correctional setting is analyzed in another chapter, and specific recommendations to improve the health outcomes for prisoners are delivered. In more than one chapter, our authors wrote about a copious</p>	232	2025	Psychology

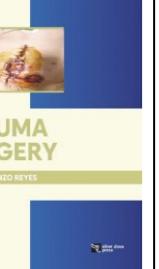
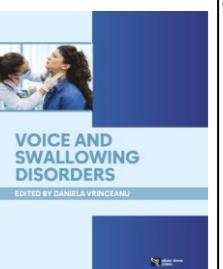
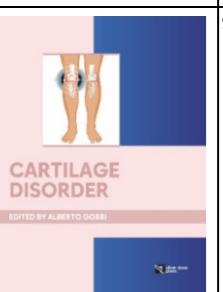
46		978-93-7391-554-8	Colorectal Cancer - Diagnosis and management	Cornelia Nitipir	1 Diagnostics in Colorectal Surgery 2 Liquid Biopsy for Colorectal Cancer Screening, A Modern Approach for Patients Stratification and Monitoring 3 Treatment Strategies in Colorectal Cancer 4 Acquired and Intrinsic Resistance to Colorectal Cancer Treatment 5 The Prognostic Significance of the Expression Change of EGFR during Neoadjuvant Chemoradiotherapy in Patients with Rectal Carcinoma 6 Our Experience in Self-Management Support following Colorectal Cancer Treatment	With international experts sharing their experience and knowledge on these different aspects in the management of colorectal cancer, this book has this opportunity to offer all physicians treating colorectal cancer, as well as researchers, updated information concerning the biology, diagnosis, screening, and treatment of colorectal carcinoma. This book provides a detailed evaluation of diagnostic modalities, in-depth analysis of screening for colorectal cancer, recent advances in treatment, and principles and trends in the management of colorectal cancer. This updated knowledge will be an interesting and informative read for any clinician involved in the management of patients with colorectal cancer. In addition, readers such as related physicians, researchers, and colorectal cancer patients are potential beneficiaries of this book.	124	2025	Colorectal Surgery
47		978-93-7391-488-6	Dentures	Alexandra Roi	1 Indirect Restorative Polymeric Dental Materials 2 Chairside CAD/CAM Restorations 3 The Impact of Hydrofluoric Acid Temperature and Application Method on the Texture of Ceramic Surfaces and the Shear Bond Strength of an Adhesive Cement 4 Prosthetic Management of Tooth Malposition 5 Advances in Dentures: Novel Polymeric Materials and Manufacturing Technologies 6 Reinforced Filler in Denture Base Materials 7 Full-Arch Implant-Supported Restorations: Hybrid versus Monolithic Design 8 Composite Dental Implants: A Future Restorative Approach	This book includes eight chapters that focus on various important aspects of dental prosthetics and implantology, such as modern materials choices, prosthetic management of teeth malposition, and novel approaches to restoration design.	158	2025	Dentistry
48		978-93-7391-114-4	Diabetic Retinopathy	Byung Joo Lee	1 Diagnostics in Colorectal Surgery 2 Gluco-Oxidation of Proteins in Etiology of Diabetic Retinopathy 3 Diabetic Retinopathy 4 The Molecular Pathogenesis of Diabetic Retinopathy - A Spectrum of Pathology Caused by the Disruption of Inner Blood-Retinal Barrier 5 Inner Blood-Retinal Barrier Transporters: Relevance to Diabetic Retinopathy 6 Fibrovascular Membranes Associated with PDR: Development of Molecular Targets by Global Gene Expression Profiling 7 Inflammation and Diabetic Retinopathy 8 Immunological Risk Factors for the Development and Progression of Diabetic Retinopathy 9 Inflammation and Angiogenesis in Diabetic Retinopathy 10 Diabetic Macular Edema	The aim of this book is to provide a comprehensive overview of current concepts in pathogenesis, diagnosis and treatments of diabetic retinopathy. It provides a collection of topics written by excellent authors, covering discussions on advances in understanding of pathophysiology, immunological factors and emerging concepts, relating to clinical aspects and treatment strategies. The contents of the book will not only provide a resource for our knowledge but also improve diagnosis and treatment options for those patients who suffer vision loss due to diabetic retinopathy.	354	2025	Ophthalmology
49		978-93-7391-464-0	Diseases of Renal Parenchyma	Michael Ludwig	1 The Power of Molecular Genetics in Establishing the Diagnosis and Offering Prenatal Testing: The Case for Alport Syndrome 2 Dent's Disease 3 Plasma Concentration of Adipokines, Obstructive Sleep Apnea Syndrome and Chronic Kidney Disease in Patients with Metabolic Syndrome and Non-Alcoholic Fatty Liver Disease 4 The Obesity Epidemic and Kidney Disease: A Literature Review 5 Uric Acid and Renal Function 6 Renal Disease and Pregnancy 7 Arterial Hypertension and Renal Disease 8 Sickle Cell Disease and Renal Disease 9 Renal Cortical Neoplasms and Associated Renal Functional Outcomes 10 The Role of B-Cells and B-Cell Targeted Therapies in Lupus Nephritis	Clinical nephrology is an evolving speciality in which the amount of information is growing daily. This book gives quick access to some important clinical conditions encountered in nephrology including the diseases of glomeruli, tubules and interstitium. It presents the latest information on pathophysiology, diagnosis and management of important diseases of renal parenchyma. The information is presented in a very user friendly and accessible manner while the treatment algorithms enable the reader to quickly access expert advice on arriving at the most appropriate treatment regimen. The book discusses the renal involvement in various systemic diseases including diabetes and autoimmune diseases. Diabetic nephropathy is fast becoming the commonest cause of end stage renal disease all over the globe and is discussed in this book. The editors believe that this book will be a valuable addition to the reader's library.	302	2025	Nephrology
50		978-93-7391-197-7	Dyslipidemia	Jozef Ukkopka	1 Obesity Related Lipid Profile and Altered Insulin Incretion in Adolescent with Polycystic Ovary Syndrome 2 Ethnic Difference in Lipid Profiles 3 Nutrigenetics and Dyslipidemia 4 Impact of Climate Change and Air Pollution on Dyslipidemia and the Components of Metabolic Syndrome 5 Dyslipidemia and Type 2 Diabetes Mellitus: Implications and Role of Antiplatelet Agents in Primary Prevention of Cardiovascular Disease 6 Dyslipidemia: Genetics and Role in the Metabolic Syndrome 7 Functions of OSBP/ORP Family Proteins and Their Relation to Dyslipidemia 8 Adipose Tissue and Skeletal Muscle Plasticity in Obesity and Metabolic Disease 9 Pleiotropic Functions of HDL Lead to Protection from Atherosclerosis and	Dyslipidemia is a major risk factor for cardiovascular disease, which is the leading cause of morbidity and mortality around the globe, particularly among aging populations. Lipoprotein disorders, frequently encountered by clinicians, require early recognition and treatment. In this book, we assembled a group of world-renowned scholars in their field to address major areas in lipoprotein disorders that are imminently relevant to clinicians and other healthcare providers. Areas discussed include an overview of lipid metabolism, a complex topic, presented in a simplified and rational way. We also highlight recent developments in the field including dyslipidemias characterized by nontraditional lipid biomarkers. Furthermore, we discuss the pathogenesis of atherosclerosis and the role of dyslipidemia. Other chapters include the assessment of primary and secondary causes of dyslipidemia. Targets for treatment as well as the role of major therapeutic agents including statins and PCSK9 inhibitors are also discussed in light of the most recent guidelines by major international organizations. This is in	474	2025	Cardiology and Cardiovascular Medicine

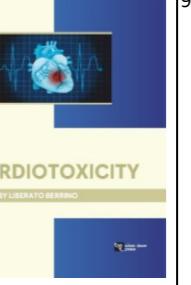
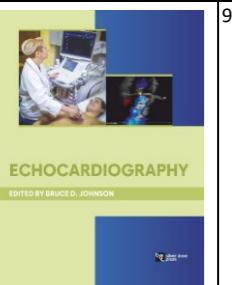
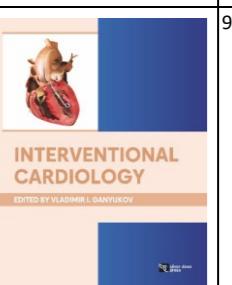
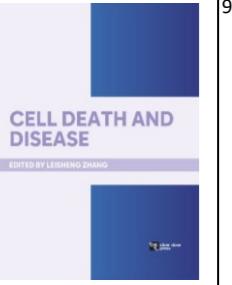
51		978-93-7391-591-3	Down Syndrome	Katherine R. Martin	<p>1 Down Syndrome: Clinical and Genetic Aspects, Genetic Counseling and Prenatal Screening and Diagnosis</p> <p>2 Increased Fetal Nuchal Translucency Thickness and Normal Karyotype: Prenatal and Postnatal Outcome</p> <p>3 Prenatal Screening and Diagnosis</p> <p>4 Control of Dental Biofilm and Oral Health Maintenance in Patients with Down Syndrome</p> <p>5 How to Design an Exercise Program TO Reduce Inflammation in Obese People With Down Syndrome</p> <p>6 Heart Diseases in Down Syndrome</p> <p>7 Myeloid Leukemia Associated with Down Syndrome</p> <p>8 Molecular Pathways of Down Syndrome Critical Region Genes</p> <p>9 Risk Factors for Down Syndrome Birth: Understanding the Causes from Genetics and Epidemiology</p> <p>10 RCAN1 and Its Potential Contribution to the Down Syndrome Phenotype</p> <p>11 Laterality Explored: Atypical Hemispheric Dominance in Down Syndrome</p>	<p>Down syndrome, the most cutting-edge book in the field congenital disorders. This book features up-to-date, well referenced research and review articles on Down syndrome. Research workers, scientists, medical graduates and pediatricians will find it to be an excellent source for references and review. It is hoped that such individuals will view this book as a resource that can be consulted during all stages of their research and clinical investigations. Key features of this book are: Common diseases in Down syndrome Molecular Genetics Neurological Disorders Prenatal Diagnosis and Genetic Counselling Whilst aimed primarily at research workers on Down syndrome, we hope that the appeal of this book will extend beyond the narrow confines of academic interest and be of interest to a wider audience, especially parents, relatives and health-care providers who work with infants and children with Down syndrome.</p>	260	2025	Medical Genetics
52		978-93-7391-763-4	Fracture Care	Nikolaos Laliotis	<p>1 Recent Advances, Challenges and Future Opportunities for the Use of 3D Bioprinting in Large Bone Defect Treatment</p> <p>2 Neonatal Fractures</p> <p>3 Intramedullary Fixation of Midshaft Clavicle Fractures</p> <p>4 Management of Distal Femoral Fractures</p> <p>5 Calcaneus Fractures</p>	<p>Fracture Care is written by authors from around the globe who have provided their expertise on the evaluation, diagnosis, and treatment of fractures and their associated complications. This is meant to be a text for anyone involved in the care of patients. Information within each chapter is organized into clear and concise sections to make the information easy to find, understand, and retain. We hope you enjoy this text and wish you success in the treatment of fractures.</p>	126	2025	Orthopedics
53		978-93-7391-412-1	Genetic Diseases	Johann W. Bauer	<p>1 Signalling Pathways in Development and Human Disease: A Drosophila Wing Perspective</p> <p>2 The FGF Family in Humans, Mice, and Zebrafish: Development, Physiology, and Pathophysiology</p> <p>3 Osteoclast Genetic Diseases</p> <p>4 MRE11A Gene Mutations Responsible for the Rare Ataxia Telangiectasia-Like Disorder</p> <p>5 Neuronopathic Forms in Subjects with Mutations in GBA Gene</p> <p>6 The Role of Gene Mutations Detection in Defining the Spectrum of β – Thalassemia in Various Ethnic Regions</p> <p>7 CCL Chemokines Levels in Tear Fluid of Patients with Cystic Fibrosis</p> <p>8 The Genetic Makeup of Azoreans Versus Mainland Portugal Population</p> <p>9 Double-Factor Preimplantation Genetic Diagnosis: Preliminary Results</p>	<p>The genetics science is less than 150 years old, but its accomplishments have been astonishing. Genetics has become an indispensable component of almost all research in modern biology and medicine. Human genetic variation is associated with many, if not all, human diseases and disabilities. Nowadays, studies investigating any biological process, from the molecular level to the population level, use the "genetic approach" to gain understanding of that process. This book contains many diverse chapters, dealing with human genetic diseases, methods to diagnose them, novel approaches to treat them and molecular approaches and concepts to understand them. Although this book does not give a comprehensive overview of human genetic diseases, I believe that the sixteen book chapters will be a valuable resource for researchers and students in different life and medical sciences.</p>	292	2025	Genetics
54		978-93-7391-881-5	Hair and Scalp Disorders	Filiz Canpolat	<p>1 Introductory Chapter: Hair Loss</p> <p>2 Anatomy and Physiology of Hair</p> <p>3 Mechanism of Hair Loss from the Point of View of Epidermal Cell Polarity</p> <p>4 Hair Follicle Reconstruction and Stem Cells</p> <p>5 The Histological Mechanisms of Hair Loss</p> <p>6 Trichoscopy and Trichogram</p> <p>7 Alopecia Areata</p> <p>8 Telogen Effluvium</p> <p>9 Androgenic Alopecia: Cross-Talk Between Cell Signal Transduction Pathways</p> <p>10 Cicatricial Alopecias</p> <p>11 Infections, Infestations and Neoplasms of the Scalp</p> <p>12 Trichotillomania and Traction Alopecia</p> <p>13 Psychosocial Aspects of Hair Loss</p>	<p>This textbook contains the latest advances and scientific knowledge from the leading experts in hair biology, hair disorders, and clinical trichology. The book consists of ten sections in which hair biology, hair genetics, hair diagnostics, hair loss types, pathogenesis, treatment options, and restoration techniques are discussed. This book also emphasizes on various genetic and nongenetic alopecia types, differential diagnosis, and the measurement of hair loss. One chapter of the book is devoted to natural products for hair care and treatment. We believe that this textbook will serve as a comprehensive guide to many physicians dealing with hair disorders in their clinical practice.</p>	360	2025	Dermatology
55		978-93-7391-555-5	Hemodialysis	Ivo Fridolin	<p>1 Introductory Chapter: Updates on Hemodialysis</p> <p>2 Uremic Toxins: The Role of the Gut and the Kidneys</p> <p>3 Optical Online Monitoring of Uremic Toxins beyond Urea</p> <p>4 Innovations in Hemodialysis Access</p> <p>5 Acute Complication during Hemodialysis</p> <p>6 Iatrogenic Errors in Hemodialysis Practices</p> <p>7 Hyporesponsiveness to Erythropoietin-Stimulating Agents: Possible Solutions</p> <p>8 Psychosocial Aspects in Hemodialysis</p> <p>9 The Dialyzer as the Last Line of Protection against Endotoxins</p> <p>10 Expanded Hemodialysis Therapy: From the Rational to the Delivery</p> <p>11 Anesthetic Management of Surgical Vascular Access for Hemodialysis</p> <p>12 Artificial Liver Support Systems</p>	<p>In this special issue, reviews of various aspects of HD therapy were submitted from both groups. In particular, various methods for vascular access were discussed by many contributors. From these reviews, the reader will gain precious hints and suggestions in every day practice. Previously, many textbooks on "Hemodialysis" have been published but they were written by only a couple of authors. However, in this special issue several authors discussed similar subjects, producing precious and fruitful suggestions. This will be very helpful for readers to understand and carry out HD practice. I hope this special issue will contain useful information for those who are involved in HD therapy.</p>	206	2025	Nephrology

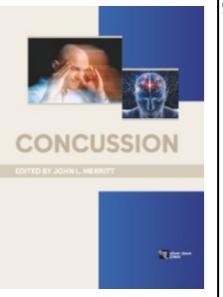
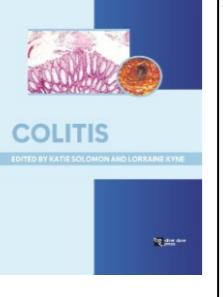
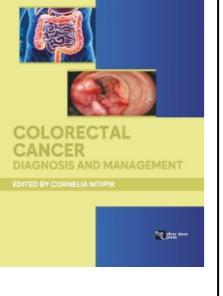
56		978-93-7391-534-0	Hyperthyroidism	Martha Mayer	<ol style="list-style-type: none"> 1 Introductory Chapter: The Relationship between Hyperthyroidism and Oxidative Stress-Mediated Cell Damage 2 Thyroid Hormones (T3 and T4) and Their Effects on the Cardiovascular System 3 Radioactive Iodine Therapy for Hyperthyroidism 4 Therapeutic Options in Graves' Hyperthyroidism 5 The Impact of Hyperthyroidism on Fertility, Maternal, Foetal and Perinatal Outcomes in the Era of Iodine Fortification 6 Thyrotoxic Hypokalemic Periodic Paralysis 7 Association of Micronutrients and Prevalence of Antibodies in Hyperthyroidism 8 Surgery for Primary Hyperparathyroidism without Leaving a Visible Scar 	<p>Hyperthyroidism is a condition caused by physiological, biological, and clinical findings that cause hypermetabolism as a result of the excessive elevation of thyroid hormones in the blood and the surrounding tissues under the influence of high levels of hormones. There is a general acceleration in metabolism. There are a wide variety of methods in the treatment of hyperthyroidism, such as antithyroid drugs, lithium carbonate, radioactive iodine, and dexamethasone. This comprehensive book, with contributions from various researchers on thyroid hormones and hyperthyroidism, offers a wide range of expert reviews on the release of thyroid hormones, their physiological effects, and the occurrence of hyperthyroidism as well as its types, effects, and treatment options.</p>	126	2025	Clinical Endocrinology
57		978-93-7391-292-9	Hypothyroidism	Sebastiano Raimondo	<ol style="list-style-type: none"> 1 Hypothyroidism on Lipid Metabolism 2 Hypothyroidism After Hemithyroidectomy: Incidence, Risk Factors, Natural History and Management 3 Hypothyroidism and Obstructive Sleep Apnea 4 Differential Adaptations of the Hypothalamus-Pituitary-Thyroid Axis Between Food Restriction and Anorexia 5 Hypothyroidism in Thalassemia 6 Thyroid Disorders and Brain Natriuretic Peptide 7 Hypothyroidism, Oxidative Stress and Reproduction 8 Neurological Complications of Hypothyroidism 9 Causes of Hypothyroidism 10 The Role of Real-Time Thyroid Ultrasonography in the Assessment and Management of Patients with Hashimoto's Thyroiditis 	<p>Hypothyroidism is an endocrine disorder commonly caused by Hashimoto's disease. Nowadays, autoimmune diseases appear to be on the rise. As such, there is renewed interest in hypothyroidism. This book presents a comprehensive overview of the disorder with chapters on etiology and pathogenesis, precision medicine tools for detection, diagnosis and treatment, the morphology of the thyroid gland, the effect of hypothyroidism on various organ systems, and much more.</p>	348	2025	Clinical Endocrinology
58		978-93-7391-282-0	Key principles in Cerebrovascular Diseases	Mustafa Çetiner	<ol style="list-style-type: none"> 1 The Pathophysiological Aspects of Cerebral Diseases 2 Cerebrovascular Disease and Hypertension 3 Atrial Fibrillation and Stroke 4 Atrial Cardiopathy and Cryptogenic Stroke 5 Vascular Brain Disease in Geriatric Neuropsychiatry 6 Cerebral Vasospasm: Mechanisms, Pathomorphology, Diagnostics, Treatment 7 Thrombolysis in Acute Stroke 8 Infarct Stroke and Blood Glucose Associated with Food Consumption in Indonesia 9 Aging Associated Specificity in Training Visual Short-Term Memory 10 Stroke Rehabilitation and Occupational Therapy in Low Resource Settings 	<p>This book elucidates the key principles of cerebrovascular diseases (CVDs) in three sections. The first section addresses relevant pathophysiological aspects, diagnosis, treatment, and complications of CVDs, the second section examines CVDs in resource-poor settings and the geriatric population, and the final section discusses atrial fibrillation and cryptogenic stroke.</p>	188	2025	Neurology
59		978-93-7391-497-8	Lupus	Georgy A. Nevinsky	<ol style="list-style-type: none"> 1 Introductory Chapter: Systemic Lupus Erythematosus -Different Predisposing Factors 2 Introduction and Physiology of Lupus 3 Elimination of Nucleoproteins in Systemic Lupus Erythematosus and Antinuclear Autoantibodies Production 4 T Regulatory Cells in Systemic Lupus Erythematosus: Current Knowledge and Future Prospects 5 Accelerated Atherosclerosis in Patients with Systemic Lupus Erythematosus and the Role of Selected Adipocytokines in This Process 6 Idiopathic Osteonecrosis and Atypical Femoral Fracture in Systemic Lupus Erythematosus 7 Diet and Microbes in the Pathogenesis of Lupus 	<p>Lupus is a new book that will serve as perfect update to lupus for all those who are studying/working at different levels starting from graduate students up to senior investigators. This book provides a comprehensive guide to the latest issues and new developments in the field of lupus. The contents are based on different authors extensive research experience in lupus whether for basic or clinical specialties. Divided into four sections, each one covers the basic concept that will be equally valuable both for the expert and for those who are beginners in this field.</p>	156	2025	Clinical Immunology
60		978-93-7391-384-1	Managing Stroke	Ken Kitai	<ol style="list-style-type: none"> 1 Introductory Chapter: Neurosurgical Management of Intracerebral Hemorrhage 2 Perspective Chapter: Clinical Standard of a Geriatric Patient as a Virtual Target for Correction of Pharmacotherapy of Hypertension and Stroke in the Elderly 3 Clinical Usefulness of Real-time Sensory Compensation Feedback Training on Sensorimotor Dysfunction after Stroke 4 Intravenous Thrombolysis in Acute Ischemic Stroke 5 Cerebral Veins and Dural Sinuses Thrombosis: State-of-the-Art Diagnosis 6 Action on the Cerebral Vascular Endothelium in the Prevention of Stroke 7 Key Points of Nursing Care for Patients with Acute Stroke 8 Quantifying Spasticity: A Review 	<p>Adequate stroke care access not only requires the availability of comprehensive healthcare facilities but also needs affordability and knowledge of the availability of these services. Presentations of stroke syndromes depend on their location, size, and underlying comorbidities. These lesions can have clinical features of increased intracranial pressure, focal neurological deficits, or seizures (generalized or partial) with rapid progression. This book presents high-quality research work on recent advances in the management of stroke.</p>	164	2025	Neurology

61		978-93-7391-513-5	Medical and Surgical Retina	Sergio Scalia	<p>1 Introductory Chapter: Treatment of Medical Retinal Diseases by Surgical Approaches – Mini-Review of the Latest Advances in the Field of Ophthalmology</p> <p>2 Perspective Chapter: The Vitreous Body Visualization Technique in Diagnosis and the Classification of Idiopathic Macular Holes</p> <p>3 Internal Limiting Membrane Peeling in Idiopathic Epiretinal Membrane</p> <p>4 Macular Hole Surgery</p> <p>5 Perspective Chapter: Role of the Vitreoretinal Interface Condition in the Development of Glaucoma</p> <p>6 Basis, Diagnosis, and Treatment of Uveal Melanoma</p> <p>7 Retinal Dysfunction Caused by Autoimmune Mechanisms</p> <p>8 Retinitis Due to Infections</p> <p>9 Approaches to Retinal Detachment Prophylaxis among Patients with Stickler</p>	<p>Knowledge of retinal diseases has radically changed over the past 10 years with the development of both new techniques and instrumentation, with improvements in surgical machines and diagnostic tools. This book reports the latest developments in retinal diseases, from pathogenesis to diagnosis, and both medical and surgical approaches in the management of retinal diseases. The core of the book focuses on developments and new perspectives in the treatment of some retinal diseases. It also discusses the pathophysiology and treatment of retinal diseases, taking biological disease markers into consideration. The indications for surgery have expanded dramatically and inoperable conditions have become amenable to surgical treatment. As such, the book also provides a comprehensive overview of the current state of the art in the surgical approach to many vitreoretinal diseases with the latest developments in surgery of the retina that enable improved surgical outcomes.</p>	216	2025	Ophthalmology
62		978-93-7391-518-0	Multiple Myeloma	Douglas W. Coghlhan	<p>1 Introductory Chapter: Multiple Myeloma in the Era of Novel Therapeutics</p> <p>2 Epidemiology of Multiple Myeloma</p> <p>3 Therapeutic Targets and Signaling Pathways for Diagnosis of Myeloma</p> <p>4 Resistance Mechanisms to Novel Therapies in Myeloma</p> <p>5 Angiogenesis and Antiangiogenesis in Multiple Myeloma</p> <p>6 Hematopoietic Stem Cell Transplantation in Multiple Myeloma in the Era of Novel Therapies</p> <p>7 The Role of Radiology and Radiotherapy for Multiple Myeloma</p> <p>8 Infections in Patients with Multiple Myeloma in the Era of Novel Agents and Stem Cell Therapies</p> <p>9 Management of Multiple Myeloma in developing Countries</p>	<p>This book is a comprehensive overview of the recent developments in the clinical and research fields of multiple myeloma. It is divided into three main sections that cover a wide range of topics, including: epidemiology and pathogenesis of the disease, genetic targets and pathways, resistance to novel therapies, angiogenesis and anti-angiogenesis, hematopoietic stem cell transplantation, role of radiology and radiotherapy in myeloma, infectious complications, and management of multiple myeloma in resource-poor countries.</p>	224	2025	Hemato-Oncology
63		978-93-7391-364-3	Myeloid Leukemia	Oxana V. Klimenko	<p>1 Introductory Chapter: Myeloid Leukemia</p> <p>2 Cytopathology of MDS/MPN and AML by H&E Staining</p> <p>3 Acute Myeloid Leukemia in Pediatric Patients: A Review About Current Diagnostic and Treatment Approaches</p> <p>4 Proteomics in Acute Myeloid Leukemia</p> <p>5 Genomics of Acute Myeloid Leukemia</p> <p>6 Small Non-Coding RNAs in Regulation of Course and Therapeutic Efficacy in Acute Myeloid Leukemia</p> <p>7 HIF-Regulated Leukemogenesis Through the Advances on Epigenetic Mechanism</p> <p>8 Molecular Interaction Between the Microenvironment and FLT3/ITD+ AML Cells Leading to the Refractory Phenotype</p> <p>9 Role of Genetic Analysis in New Treatments of Acute Myeloid Leukemia</p>	<p>This book offers a remarkable coverage of myeloid leukemia from diagnosis to treatment. It provides an updated and new vision of this multifaceted disease, regrouping a variety of myeloid disorders. To ensure the high quality of this book, important insights are included and rigorously discussed in a simple and authentic way. This book is a relevant source of knowledge, very useful for researchers, medical doctors, nurses, students and individuals interested in this complex disease.</p>	178	2025	Hemato-Oncology
64		978-93-7391-869-3	Ocular Diseases	Natalia Wright	<p>1 Effects of Hypercholesterolaemia in the Retina</p> <p>2 Photoreceptor Sensory Cilium and Associated Disorders</p> <p>3 Utilization of Portable Digital Camera for Detecting Cataract</p> <p>4 Clinical Application of Photodisruptors in Ophthalmology</p> <p>5 Hydrogel Contact Lenses Surface Roughness and Bacterial Adhesion</p> <p>6 New Biomarkers in the Retina and RPE Under Oxidative Stress</p> <p>7 Recent Advances in Ocular Nucleic Acid-Based Therapies: The Silent Era</p>	<p>This comprehensive resource on ocular diseases will provide you with a better and more practical understanding of the science behind eye disease and help you to relate it with treatment. Some of the contributors to this book are some of the world's leading and most experienced scientists in this major area of interest and they have provided great insight into this often difficult to understand aspect of ophthalmology. Its unique blend of basic science and clinical applications will serve you as a clinical guide to understanding the cause and management of ocular disease.</p>	192	2025	Ophthalmology
65		978-93-7391-600-2	Recent Developments in Psychiatric Disorders	André Rex	<p>1 Neuropathology of the Prefrontal Cortex Neuropil in Schizophrenia</p> <p>2 Electrophysiological Deficits in Schizophrenia: Models and Mechanisms</p> <p>3 State of Art of Serum Brain-Derived Neurotrophic Factor in Schizophrenia</p> <p>4 Neurocognitive Expression of Hypofrontality in Long Term Schizophrenia</p> <p>5 Linking Stress and Schizophrenia: A Focus on Prepulse Inhibition</p> <p>6 Childhood and Adolescent Schizophrenia and Other Early-Onset Psychoses</p> <p>7 Verbal Behavior Analysis as a Diagnostic and Psychopharmacological Strategy for Differentiating Paranoid and Disorganized Schizophrenics</p> <p>8 Mouse Models of Depression</p> <p>9 Biological Alterations in Depression</p> <p>10 Depression During Pregnancy: Review of Epidemiological and Clinical Aspects in Developed and Developing Countries</p> <p>11 A New Class of Antidepressant Drugs in the Treatment of Psychiatric</p>	<p>Due to their prevalence, pervasiveness and burden inflicted on men and women of today, psychiatric disorders are considered as one of the most important, sever and painful illnesses. This impairment of cognitive, emotional, or behavioural functioning is in some cases tragic. Aside from knowing the physical organic factors, such as infections, endocrinological illnesses or head injuries, the aetiology of psychiatric disorders has remained a mystery. However, recent advances in psychiatry and neuroscience have been successful in discovering subsequent pathophysiology and reaching associated bio-psycho-social factors. This book consists of recent trends and developments in psychiatry from all over the world, presented in the form of multifarious and comprehensive articles. The first two sections of the book are reserved for articles on schizophrenia and depression, two major illnesses present in this field. The third section of the book is reserved for addiction psychiatry, related not only to socio-cultural but also biological alterations. The last section of the book, titled</p>	512	2025	Psychiatry

66		978-93-7391-604-0	Regional Anesthesia	Sergio Bergese	<ol style="list-style-type: none"> 1 Advances in Regional Obstetric Anesthesia 2 PoCUS and Regional Anesthesia for Airway Management 3 Novel Techniques and Local Anesthetics for Perioperative Pain Management 4 Complications in Spinal Anesthesia 5 Regional Anesthesia for Cardiac Surgery 6 Teaching Regional Anesthesia: Current Perspectives 	<p>Regional Anesthesia is a comprehensive exploration of the evolving landscape of regional anesthesia. It provides insights into the latest developments, techniques, and research that shape the practice of regional anesthesia today. Regional anesthesia has undergone a remarkable transformation, emerging as an integral component of modern perioperative care, and we have assembled a distinguished group of experts, clinicians, and researchers who share their insights, experiences, and innovations in this field of knowledge. This book is designed for a diverse audience, including anesthesiologists, pain specialists, surgeons, residents, and students interested in the expanding domain of regional anesthesia. Each chapter is crafted to deliver valuable information, foster critical thinking, and inspire further exploration into the ever-evolving field. We hope that you will find this book a useful resource that deepens your understanding of regional anesthesia and its pivotal role in shaping the future of perioperative medicine.</p>	126		2025	Anesthesiology
67		978-93-7391-272-1	Renal Replacement Therapy	Tomoyuki Takura	<ol style="list-style-type: none"> 1 Renal Replacement Therapy in Intensive Care Unit 2 Dialytic Treatment of Acute Renal Failure in Children 3 Preservation of Peritoneal Membrane Structure and Function in Peritoneal Dialysis 4 Timing of Initiation of Kidney Replacement Therapy in Acute Kidney Injury in the Critically Ill Patient 5 Role of RRT in Adult Patients with Hyperammonemia 6 Advanced Treatment of Refractory Congestive Heart Failure by Peritoneal Ultrafiltration with Icodextrin in Patients without End-Stage Renal Disease 7 Medical Nutrition Therapy in Renal Replacement Therapy 8 Effect of Intra-Dialytic Physical Exercise on Depression in Hemodialysis Patients 9 Psychological Interventions for End-Stage Renal Disease Patients' Receiving 	<p>This book provides an extensive review of the current topics of interest and updated practices of renal replacement therapy for both pediatric and adult populations. The chapters are authored by nephrologists and healthcare and other professionals from around the world. This book brings a multidisciplinary and multidimensional perspective to the current advances in renal replacement therapy. It also provides updated recommendations to assist with clinical decision-making on whether a patient is suitable and indicated for renal replacement therapy across different clinical settings and contexts, and strategies to optimize their holistic care when they are receiving treatment.</p>	216		2025	Nephrology
68		978-93-7391-831-0	Renin-Angiotensin System - Past, Present and Future	Emilie Pepin	<ol style="list-style-type: none"> 1 The Angiotensin Affair: How Great Minds Thinking Alike Came to a Historical Agreement 2 Involvement of the Renin-Angiotensin System in Atherosclerosis 3 RAAS Blockade as First-Line Antihypertensive Therapy among People with CKD 4 Signaling Pathways of Cardiac Remodeling Related to Angiotensin II 5 Renin-Angiotensin System on Reproductive Biology 6 Role of the Renin-Angiotensin System in Healthy and Pathological Pregnancies 7 The Role of Renin-Angiotensin System in Ocular Inflammation and Uveitis 8 Regulation of the Renin-Angiotensin-Aldosterone System by Reactive Oxygen Species 9 Current Research of the Renin-Angiotensin System Effect on Stem Cell Therapy 	<p>Exploring the contractile activity of smooth muscle segments isolated from various organs of healthy animals and animals with experimentally induced diabetes, she obtained original data about angiotensin II-induced force and time parameters. For the first time, she established the effect of ghrelin on angiotensin II-provoked contraction of the urinary bladder. Original data on the role of both types of angiotensin receptors for the contractile activity of the various segments of the gastrointestinal tract and bladder were obtained. By applying specific software for force and time parameter analysis, the contribution of different types of angiotensin receptors on muscle contractility has been shown. The new methodology was used to analyze the data obtained during the registration of smooth muscle relaxation activity, which allows the determination of not only the magnitude of the mechanical response but also the parameters related to the time and speed of the contractions. Plasma renin activity models have been developed using mathematical approaches to predict the effect of</p>	230		2025	Neuroendocrinology
69		978-93-7391-581-4	Schizophrenia	Liesl B. Jones	<ol style="list-style-type: none"> 1 Treatment of Schizophrenia in the 21st Century: Towards a more Personalised Approach 2 Family Caregivers of People with Schizophrenia in East Asian Countries 3 Schizophrenia and Social Cognition: From Conceptual Bases to Therapeutic Approaches 4 Cognitive Remediation Therapy (CRT): Improving Neurocognition and Functioning in Schizophrenia 5 Metacognitive Dysfunction in Schizophrenia 6 Directions in Research into Response Selection Slowing in Schizophrenia 7 Serotonin-1A Receptors and Cognitive Enhancement in Schizophrenia: Role for Brain Energy Metabolism 8 From Humans to Animals: Animal Models in Schizophrenia 9 Behavioral Tests for Evaluation of Information Processing and Cognitive 	<p>Patients with schizophrenia need a personalized medicine approach where the pharmacological and neurological mechanism is understood from the perspective of the patient's own experience and symptoms. Even though genetics play a role in the etiology, there are other important contributing risk factors. Schizophrenia is not a single-disease entity but has overlapping neurobiological and clinical profiles with other disorders such as autism and stress-related disorder. This expanded conceptualization benefits not only scholars but also diagnosing clinicians, as the diagnosis of schizophrenia is not always straightforward. The authors of this book discuss neurochemistry, animal models and antipsychotic models of schizophrenia to arrive at a personalized medicine approach for patients with schizophrenia. New treatment prospects from pharmacogenetic and neurotechnology research bring hope to clinicians and patients alike that, with continuing scientific studies, precisely targeted care is becoming available, with the potential of further alleviating the symptoms.</p>	180		2025	Psychiatry
70		978-93-7391-005-5	Spinal Anaesthesia	Habip Atalay	<ol style="list-style-type: none"> 1 Spinal Anaesthesia in Spinal Surgery 2 Spinal Anesthesia for Lower Level Spine Surgery 3 Spinal Anaesthesia for Ambulatory and Short-Stay Plastic Surgery Procedures 4 Spinal Additives in Subarachnoid Anaesthesia for Cesarean Section 5 Intrathecal Clonidine as Spinal Anaesthesia Adjuvant —Is there a Magical Dose? 6 Midazolam in Spinal Anesthesia — Intrathecal or Intravenous? 7 Complications in Spinal Anaesthesia 8 Spinal or Epidural Haematoma 	<p>Topics on Spinal Anaesthesia consists of eight important and updated chapters covering subarachnoid anaesthesia for major orthopaedic surgeries, ambulatory and short stay plastic surgical procedures, complications, and discussing the usefulness of opioids and non opioids drugs as spinal adjuvants to enhance subarachnoid block, transoperative analgesia and postoperative analgesia in various clinical scenarios. InTech invited respectable anesthesiologists from different countries to write this book. The authors and co-authors discussed in detail the advances in these subjects, so that the reader has an updated view and can use this knowledge on his/her patients. It is a practical book covering current information about subarachnoid anaesthesia.</p>	186		2025	Anesthesiology

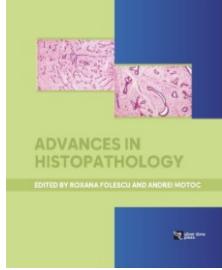
71		978-93-7391-540-1	Trauma Surgery	Renzo Reyes	<p>1 Abdominal Trauma</p> <p>2 Appropriate Protective Measures for the Prevention of Animal-related Goring Injuries</p> <p>3 Management of Duodenal Injuries</p> <p>4 Ultrasound Empowered Trauma Management</p> <p>5 OCD of the Knee in Adolescents</p> <p>6 Distal Femoral Fractures</p> <p>7 Perspective Chapter: The Complex Architecture of a Traumatic Brain Injury</p>	<p>Early treatment is of the utmost importance for traumatic injuries. The patient's vital signs, abdominal examination and hematocrit should be checked at frequent intervals. Using ultrasound allows the examiner to make a better clinical diagnosis of the patient. This book discusses different types of trauma surgery for abdominal injuries, bone fractures, injuries sustained from animal attacks, and traumatic brain injuries.</p>	122		2025	Traumatology
72		978-93-7391-489-3	Voice and Swallowing Disorders	Daniela Vrinceanu	<p>1 Quantitative Analysis of Activity Patterns in the Muscles of Mastication and Deglutition</p> <p>2 Pathology of Nonneoplastic Lesions of the Vocal Folds</p> <p>3 Swallowing Disorders in Patients with Stroke</p> <p>4 Maxillofacial and Oral Aspects of Dysphagia</p> <p>5 Radiation-Related Dysphagia: From Pathophysiology to Clinical Aspects</p> <p>6 Effect of Salivation by Facial Somatosensory Stimuli of Facial Massage and Vibrotactile Apparatus</p> <p>7 Swallowing Disorders in Cervical Facial Tumors</p>	<p>The purpose of writing this book is to discuss the updated information on voice and swallowing disorders. The book has been written by international authors and experts in this field. You will find not only clinical aspects but also basic science aspects of voice and swallowing disorders. The chapters include the quantitative analysis of activity patterns of muscles of mastication and deglutition, and salivary secretion after facial massage and vibrotactile stimulation. You will also find the updated management of oropharyngeal dysphagia, dysphagia due to cervical facial tumors, radiation-induced dysphagia, and dysphagia in patients with a stroke. This book can be an important guide to the practicing physicians and surgeons managing voice and swallowing disorders.</p>	126		2025	Otolaryngology
73		978-93-7391-180-9	Cartilage Disorder	Alberto Gobbi	<p>1 Introductory Chapter: Cartilage Disorders</p> <p>2 Characterization of Degraded Cartilage Using Confocal Raman Microscopy</p> <p>3 Evolution of Cartilage Repair Technology</p> <p>4 Bio-Orthopedics: A New Approach to Osteoarthritis and Joint Disorders</p> <p>5 Cartilage Restoration and Allogeneic Chondrocyte Implantation: Innovative Technique</p> <p>6 ACL Tear and Cartilage Lesions</p>	<p>Over the past few decades, there have been significant advances in our understanding of the pathophysiology of cartilage disorders, for example, the characterization of degraded cartilage using Confocal Raman Microscopy as well as the evolution of cartilage repair technologies. Cartilage disorders are complex and multifactorial, and they can cause significant pain and disability in affected joints/individuals. As such, it is essential for orthopedic surgeons to have a thorough understanding of the latest research and treatment options to provide the best possible care to their patients. This book provides a comprehensive overview of the latest research and treatment options in cartilage disorders. It presents cutting-edge research, technologies, and treatment options for orthopedic surgeons. Organized into two sections, the chapters of this book address such topics as the evaluation and management of patients with cartilage injuries, imaging and biomarker technologies, techniques to repair and regenerate damaged cartilage, and more.</p>	88		2025	Anatomical Pathology
74		978-93-7391-875-4	Molecular Medicine	Huajie Zhang	<p>1 Introductory Chapter: Insight into the OMICS Technologies and Molecular Medicine</p> <p>2 Precision Medicine: Role of Biomarkers in Early Prediction and Diagnosis of Alzheimer's Disease</p> <p>3 Pharmacogenetics and Cancer Treatment: Progress and Prospects</p> <p>4 CTCs as Liquid Biopsy: Where Are We Now?</p> <p>5 Energy Metabolism Heterogeneity-Based Molecular Biomarkers for Ovarian Cancer</p> <p>6 A Novel P53/POMC/Gas/SASH1 Autoregulatory Feedback Loop and Pathologic Hyperpigmentation</p> <p>7 Molecular Diagnosis of Invasive Aspergillosis</p> <p>8 Metabolomics: Basic Principles and Strategies</p>	<p>Molecular medicine is an applied science focused on human genes/transcripts, proteins, metabolites, and metabolic networks that describes molecular and cellular processes of health and disease onset and progression. Molecular medicine-based integrative identification and characterization of biomarker targets and their clinical translations is essential to explain/decipher the mechanism(s) underlying physiological pathways and pathological conditions, and acquire cell-targeted early interventional and therapeutic strategies in the context of precision medicine and public health. Principally, Molecular Medicine provides an overview of the latest headlines/developments of systems and molecular medicine, highlighting the emerging high-throughput technologies, promising potential applications, and progress in biomedical research and development strategies.</p>	166		2025	Molecular Biology
75		978-93-7391-295-0	RNA Therapeutics	Elias George	<p>1 Introductory Chapter: RNA Drugs Development and Commercialization</p> <p>2 Prophylactic Ribonucleic Acid Vaccines to Combat RNA Viral Infections in Humans</p> <p>3 Ribozymes as Therapeutic Agents against Infectious Diseases</p> <p>4 A New Era of RNA Personalized Vaccines for Cancer and Cancer- Causing Infectious Diseases</p> <p>5 Perspective Chapter: RNA Therapeutics for Cancers</p> <p>6 RNA Interference Applications for Machado-Joseph Disease</p>	<p>RNA therapies evolved as economical and widely applicable individualized treatment solutions. Novel RNA-based therapeutic vaccines (e.g., against SARS-CoV-2 infection) have been proven to be safe and effective, and many of them are approved by the United States Food and Drug Administration (FDA). This book presents distinct classes of RNA therapeutics, ranging from single-stranded antisense oligonucleotides (ASOs) and subclasses of RNA interferences (miRNAs and other RNAi) to in vitro transcribed and in vivo translated mRNAs drugs and RNA vaccines. The book also discusses some of the challenges in RNA drug engineering, delivery, and specificity, as well as highlights the improvement of pharmacological effectiveness in a wide range of diseases.</p>	138		2025	Molecular Biology

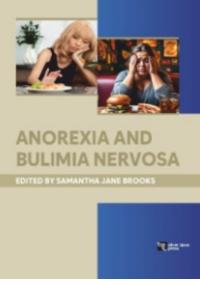
76		978-93-7391-351-3	Cardiotoxicity	Liberato Berrino	<ol style="list-style-type: none"> 1 Cytotoxicity and Cell Viability Assessment of Biomaterials 2 Toxicity Evaluation and Biocompatibility of Nanostructured Biomaterials 3 Colorimetric Cytotoxicity Assays 4 Cellular Cytotoxicity and Multiple Sclerosis 5 Cytotoxicity Studies of Fruit-Extracted Metal Nanostructures 6 Cytotoxic Activity of Secondary Metabolite Compounds from Myanmar Medicinal Plants 7 Cancer Immunotherapy and Cytotoxicity: Current Advances and Challenges 8 Trypan Blue Exclusion Assay, Neutral Red, Acridine Orange and Propidium Iodide 9 In Vitro Cytotoxic and Apoptosis Induction Potential of Two Plant Extracts on HeLa Cells 10 Non-Encapsulated <i>Trichinella</i> Species: <i>T. pseudo spiralis</i>, <i>T. papuae</i> and <i>T.</i> 	<p>Cardiotoxicity may be caused by radiotherapy and/or anticancer agents for many malignancies, adverse effects of some drugs in the context of medical intervention or heavy metal intake, especially during the anticancer therapy. This book intends to bring forward the recent development in toxicities from cancer treatment. It updates the possible mechanisms of cardiotoxicities of some anticancer agents and the suggested prevention and treatment strategies. This book contains many valuable contributions from the researchers in oncology and cardiology as well as the clinicians who are experts in this field.</p>	152	2025	Cardiology
77		978-93-7391-189-2	Echocardiography	Bruce D. Johnson	<ol style="list-style-type: none"> 1 Echocardiographic Evaluation of Left Ventricular Diastolic Function 2 Right Chambers Quantification in Clinical Practice: Echocardiography Compared with Cardiac Magnetic Resonance Imaging 3 Lung Ultrasound Comet Tails —Technique and Clinical Significance 4 Ischemic Mitral Regurgitation: From Echo Assessment to Surgical Strategy and Techniques 5 Real-Time 3D Echocardiography in Percutaneous Balloon Mitral Valvuloplasty 6 A Framework for the Systematic Characterization of the Aortic Valve Complex by Real-Time Three Dimensional Echocardiography: Implications for Transcatheter Aortic Valve Replacement 	<p>Echocardiography is still the most used imaging technique for the evaluation of cardiac anatomy and function and today it plays an essential role in daily decision making. The echocardiographic technology and its applications have widely developed in the last years leading to a better diagnostic accuracy. On the other hand echocardiography specialists have new clinical questions to answer. Echocardiography meets the growing need for non-invasive imaging in the expanding heart failure population and during structural heart interventions. The new percutaneous therapies need, a precise evaluation of cardiac dimensions and a complete understanding of the spatial relationships between cardiac structures. Echocardiography is of paramount importance both during the patient evaluation and guiding the procedure. This book tries to give an in depth evaluation about the specific issues that a modern cardiovascular imaging specialist is asked to answer nowadays.</p>	144	2025	Cardiology
78		978-93-7391-728-3	Interventional Cardiology	Vladimir I. Ganyukov	<ol style="list-style-type: none"> 1 Radial Access in Primary PCI for Acute Myocardial Infarction 2 Current Concept of Revascularization in STEMI Patients with Multivessel Coronary Artery Disease: Evidence Base and Our Own Randomized Trial Results 3 Chronic Total Occlusions 4 Chronic Total Occlusion (CTO): Scientific Benefit and Principal Interventional Approach 5 Percutaneous Balloon Mitral Valvuloplasty 6 Percutaneous Treatment of Mitral and Tricuspid Regurgitation in Heart Failure 7 Cardiogenic Shock 8 Cardiogenic Shock Due to Coronary Artery Stent Thrombosis 9 Peripheral Ventricular Assist Devices in Interventional Cardiology: The Impella® Micro-Axial Pump 	<p>The development of innovative interventional strategies and materials, primarily attributed to rapid strides in healthcare technology and education, has helped position interventional cardiology as one of the foremost disciplines in cardiovascular medicine. Patients diagnosed with inoperable conditions, including complex structural heart disease, have found renewed hope with the practice of these path-breaking therapeutic techniques. Nevertheless, the growing complexity of these procedures has also necessitated a close cooperation with different specialists, such as cardiothoracic surgeons, vascular surgeons, anesthesiologists, and interventional radiologists. There is an urgent need to further explore the use of such alternative strategies of clinical management of cardiac disease, while limiting or potentially eliminating any procedural risks for the patient. This book is oriented to readers interested in learning the basic principles of interventional cardiology and offers a brief insight into the potential use of such treatments in routine clinical practice.</p>	262	2025	Cardiology
79		978-93-7391-127-4	Cell Death and Disease	Leisheng Zhang	<ol style="list-style-type: none"> 1 Epi-Regulation of Cell Death in Cancer 2 Diverse Effects of Hypothalamic Proline-Rich Peptide (PRP-1) on Cell Death in Neurodegenerative and Cancer Diseases 3 Ferroptosis in Leukemia: Lessons and Challenges 4 The "Irony" of Ferroptosis: A Review on Neurological Challenges 5 The Roles of Iron and Ferroptosis in Human Chronic Diseases 6 Impaired Autophagy and Exosomes Release by Long-Term mTOR Pathway Activation Promotes Hepatocellular Carcinoma Occurrence and Invasion 	<p>Cell death is critical for embryo development and body growth. Several types of cell death have been discovered. The dysfunction of cell death is responsible for various diseases; however, the mechanism underlying cell death is not fully elucidated. Recent advances in cell death research have led to improved diagnosis, treatment, and clinical management of diverse diseases; however, novel therapeutic strategies are urgently needed. This book presents the most recent advances in cell death and related diseases.</p>	124	2025	Cell Biology
80		978-93-7391-650-7	Reactive Oxygen Species	Ramona D'Amico	<ol style="list-style-type: none"> 1 Introductory Chapter: Reactive Oxygen Species – Origin and Significance 2 Reactivity and Applications of Singlet Oxygen Molecule 3 Relevance of Oxidoreductases in Cellular Metabolism and Defence 4 The Good and the Bad: The Bifunctional Enzyme Xanthine Oxidoreductase in the Production of Reactive Oxygen Species 5 Methylmercury Promotes Oxidative Stress and Activation of Matrix Metalloproteinases: Cardiovascular Implications 6 Oxidative Stress and Reproduction Health: Physiology, Pathology, and Clinical Biomarkers 7 Oxidative Stress and Male Fertility: Promising Role of Nutraceuticals 8 Regulating Reactive Oxygen Species in Rheumatoid Arthritis: Insights into Cell Signaling Pathways and Nano-Particles as Carriers 	<p>Reactive Oxygen Species (ROS) are molecules generated naturally during cellular metabolic processes. They act as signaling agents that oversee specific biochemical pathways, playing a vital role in cell function and survival. However, an imbalance in ROS signaling or excessive ROS production can have harmful effects on the pathophysiology of diseases. ROS are crucial to cell signaling and are involved in various physiological processes. They modulate gene expression, regulate cell cycle progression, and influence immune responses. Although ROS are essential for normal cellular functions, an overabundance of these molecules can lead to oxidative stress, causing DNA damage, lipid peroxidation, and protein oxidation, adversely impacting cell function and leading to various diseases. Therefore, it is critical to regulate ROS levels precisely to maintain cellular homeostasis. <i>Reactive Oxygen Species - Advances and Developments</i> is a comprehensive book that delves into the intricacies of ROS. It provides invaluable insights to researchers in the field, equipping them with the</p>	174	2025	Cell Biology

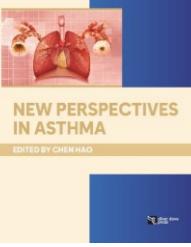
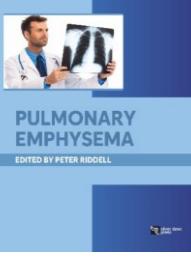
81		978-93-7391-679-8	Concussion	John L. Merritt	<p>1 Introductory Chapter: Understanding Concussion – From Immediate Impact to Long-Term Sequelae</p> <p>2 Value of Quantitative Electroencephalography in Diagnosis and Management of Mild to Moderate Traumatic Brain Injury: Case Series of 150 Football Players with Multiple Concussions</p> <p>3 Novel Techniques in the Assessment of Sports-Related Traumatic Brain Injury</p> <p>4 The Neuropathology of Concussion</p> <p>5 Concussion Rehabilitation</p> <p>6 The Impact of Traumatic Brain Injury on the Receipt of Services Following Release from Prison</p>	<p>Concussion - State-of-the-Art is a comprehensive guide that delves into the intricate world of concussion. Concussion, or mild traumatic brain injury (mTBI), is a complex condition that demands a multidisciplinary approach for its understanding and management. This book provides a holistic view of concussion, from its pathophysiology and neuropathology to the physiological and blood biomarkers that aid in its diagnosis and monitoring.</p>	102	2025	Traumatology
82		978-93-7391-885-3	Oncology Critical Care	Erica M. McGovern	<p>1 Oncological Airway Emergencies in the Critical Care Unit</p> <p>2 Pharmacologic Considerations in Oncology Critical Care</p> <p>3 Improving Outcome in Gastrointestinal and Hepatopancreaticobiliary Surgical Oncology by Preoperative Risk Assessment and Optimization of Perioperative Care</p> <p>4 Infections in Cancer Patients</p> <p>5 Nutrition and Indirect Calorimetry</p>	<p>According to the American Cancer Society, more than 1.6 million people will be diagnosed with cancer during this year. Outcomes have steadily risen over the last several decades with the advent of newer therapies. As outcomes have improved, more and more cancer patients are developing critical illness. In the not-too-distant past, patients with active malignancy were thought not appropriate for critical care services as decreased longevity related to the cancer suggested poor prognosis for intensive care utilization. More recently, evidence supports rapid activation of critical care services leading to improved outcomes in cancer patients. Moreover, just as subspecialty critical care experience in trauma and neurosciences has proved beneficial, the emerging field of oncology critical care warrants specific attention.</p>	186	2025	Emergency Medicine
83		978-93-7391-006-2	Colitis	Katie Solomon and Lorraine Kyne	<p>1 The Role of Intestinal Barrier Function in Early Life in the Development of Colitis</p> <p>2 Resolution of Colitis-Associated Inflammation</p> <p>3 Amoebic Colitis</p> <p>4 Clostridium difficile-Associated Colitis: Role of the Immune Response and Approach to Treatment</p> <p>5 Fulminant Amoebic Colitis: Role of the Innate and Adaptive Immune Responses</p> <p>6 Chemotherapy-Induced Colitis</p> <p>7 Drug and Cell Delivery Systems in the Treatment of Colitis</p> <p>8 Protective Effects of Japanese Black Vinegar "Kurozu" and Its Sediment "Kurozu Moromimatsu" on Dextran Sulfate Sodium-induced Experimental Colitis</p> <p>9 Innate Immunity: A Potent Target for Management of Inflammatory Bowel</p>	<p>Inflammation of the colon is collectively called "Colitis". Since a variety of conditions may cause colitis and its manifestations are similar among the causes, selection of the right treatment based on the correct diagnosis is important in the management of this group of illnesses. Over the last few decades, a major shift has been observed in the clinical attention to the pathogenesis of colitis from infectious to idiopathic inflammatory bowel diseases. Colitis cases that are associated with chemical therapeutics and specific pathogens such as amoeba, have become prominent in hospitalized individuals and immune deficient patients, respectively. In addition, a great deal of progress has been made in colitis research triggering the need for updating our knowledge about colitis. This book Colitis provides comprehensive information on the pathogenesis, mechanism of resolution, and treatment strategies of colitis.</p>	194	2025	Colorectal Surgery
84		978-93-7391-209-7	Colorectal Cancer	Romina Briffa	<p>1 Diagnostics in Colorectal Surgery</p> <p>2 Liquid Biopsy for Colorectal Cancer Screening, A Modern Approach for Patients Stratification and Monitoring</p> <p>3 Treatment Strategies in Colorectal Cancer</p> <p>4 Acquired and Intrinsic Resistance to Colorectal Cancer Treatment</p> <p>5 The Prognostic Significance of the Expression Change of EGFR during Neoadjuvant Chemoradiotherapy in Patients with Rectal Carcinoma</p> <p>6 Our Experience in Self-Management Support following Colorectal Cancer Treatment</p>	<p>With international experts sharing their experience and knowledge on these different aspects in the management of colorectal cancer, this book has this opportunity to offer all physicians treating colorectal cancer, as well as researchers, updated information concerning the biology, diagnosis, screening, and treatment of colorectal carcinoma. This book provides a detailed evaluation of diagnostic modalities, in-depth analysis of screening for colorectal cancer, recent advances in treatment, and principles and trends in the management of colorectal cancer. This updated knowledge will be an interesting and informative read for any clinician involved in the management of patients with colorectal cancer. In addition, readers such as related physicians, researchers, and colorectal cancer patients are potential beneficiaries of this book.</p>	124	2025	Colorectal Surgery
85		978-93-7391-959-1	Constipation	Charles M. Lepkowsky	<p>1 Constipation</p> <p>2 Management of Pediatric Constipation</p> <p>3 Prevalence and Treatment of Constipation in Patients with Alpha- Synuclein Pathology</p> <p>4 Imaging of Constipation and Its Complications</p> <p>5 Therapeutic Role of Natural Products Containing Tannin for Treatment of Constipation</p> <p>6 The Management of Constipation: Current Status and Future Prospects</p>	<p>Constipation is a problem with multifactorial origin that affects both children and adults. It is a difficult problem to treat because there is no clear diagnostic criteria and there are only limited therapeutic options. This book presents information on constipation, including pathology, diagnosis, imaging, nutrition, and management, among other topics. It is written for physicians and interested readers alike.</p>	118	2025	Gastroenterology

86		978-93-7391-153-3	Hemodynamics of the Human Body	Vincent J.B. Robinson	1 Recent Advances in Therapeutic Approach for Hypertension to Improve Cardiac Health 2 Hemodynamics in Intracranial Aneurysm Formation 3 Hemodynamic Analysis of Carotid Sinus with OpenFOAM and Machine Learning 4 Mathematical Model for the Quantification of Pulmonary and Intrapulmonary Arteriovenous Anastomoses Blood Flow 5 Dynamic Adaptations in the Human Low-Pressure Compartment Facilitating Cardiovascular Responses at Rest and Exercise	This Edited Volume Hemodynamics of the Human Body is a collection of reviewed and relevant research chapters, offering a comprehensive overview of recent developments in the field of medicine. The book comprises single chapters authored by various researchers and edited by an expert active in the hemodynamics research area. All chapters are complete in themselves but united under a common research study topic. This publication aims to provide a thorough overview of the latest research efforts by international authors on hemodynamics, and open new possible research paths for further novel developments.	110	2025	Hemodynamics
87		978-93-7391-564-7	Normal and Malignant B-Cell	Stefan Patrascu	1 Introductory Chapter: B-Cells 2 Immunogenetic Aspect of B-Cell Antigen Receptor Diversity Generation 3 B-Cell Lymphomas 4 B Cell Lymphomagenesis 5 Diffuse Large B-Cell Lymphoma 6 B-Cell Precursors: Immunophenotypic Features in the Detection of Minimal Residual Disease in Acute Leukemia 7 Splenectomy in Gastric Cancer: Influence of B Lymphocytes	Normal and Malignant B-Cell is a collection of harmonious chapters contributed by different authors. This book sets out to describe the B-cell during different stages of ontogeny and the molecular mechanisms of its antigen receptor diversity. It also discusses the main clinical and etiopathogenic aspects when it is transformed into a malignant cell. The book will be interesting and useful for clinicians, biologists, researchers, teachers, and graduate students of both doctoral and master's degrees in the field of immunology.	162	2025	Hemato-Oncology
88		978-93-7391-891-4	Thalassemia and Other Hemolytic Anemias	Luxin Yu and Yinghui Zhang	1 Introductory Chapter: Thalassemia - An Overview 2 The Genetic Aspect of Thalassemia: From Diagnosis to Treatment 3 Emerging Techniques for Thalassemia Gene Detection 4 Invasive and Noninvasive Approaches in Prenatal Diagnosis of Thalassemias 5 Hypogonadism in Female Patients with Beta Thalassemia Major 6 Hepatitis C Virus in Thalassemia 7 Sickle Cell Disease: A Genetic Disorder of Beta-Globin 8 Direct Anti-Globulin Test and Clinical Diagnosis	Thalassemia is a very common disease first described by pediatrician Thomas Benton Cooley in 1925 who described it in a patient of Italian origin. At that time, it was designated as Cooley's anemia. George Hoyt Whipple, a Nobel prize winner, and W. L. Bradford, a professor of pediatrics at the University of Rochester, coined the term thalassemia in 1936, which in Greek means anemia of the sea (Thalassa means "sea", and emia means "blood"), due to the fact that it is very common in the area of the Mediterranean Sea. This name is actually misleading because it can occur everywhere in the world. Thalassemia is not a single disease; it is rather a group of hereditary disorders of the production of globulin chain of the hemoglobin. Throughout the world, thalassemia affects approximately 4.4 of every 10,000 live births. It represents a major social and emotional impact on the patient and his family and a major burden on health services where the prevalence is high.	138	2025	Hematology
89		978-93-7391-788-7	Allergen	Nathalie Gillard	1 Introductory Chapter 2 Food Allergen Analysis - Detection, Quantification and Validation by Mass Spectrometry 3 Vegetable Proteins- Non-sensitizing Encapsulation Agents for Bioactive Compounds 4 Antihistaminic Treatment, Allergen-Specific Immunotherapy, and Blockade of IgE as Alternative Allergy Treatments 5 Allergen-Based Diagnostic- Novel and Old Methodologies with New Approaches 6 Current Issues on Immunotherapy in Children 7 Strategies to Study T Cells and T Cell Targets in Allergic Disease 8 Gamma Radiation Effect on Allergenic Food	Allergy is a main problem of public health in the world. Many people in all countries are suffering from this problem. Some diseases (i.e. allergic rhinitis, allergic asthma, food allergy, urticaria, eczema, etc.) have allergic reaction pathophysiology, and with control of allergic mechanisms, these diseases can be controlled and cured. The current book entitled Allergen has focused on allergy, mechanism, diagnosis, treatment, and other related problems. Chapters of the book have good data on allergy-based medical sciences and would be a benefit for all researchers in immunology, allergy, and asthma fields. Current discussions would be useful for prevention, diagnosis, treatment, and follow-up of atopic patients. We hope these chapters could be a new approach in immunotherapy of allergic diseases and help in the progress of healthy system.	156	2025	Clinical Immunology
90		978-93-7391-045-1	Allergic Disease	Vladimir Klimov	1 Introductory Chapter: Allergic Disease – New Developments in Diagnosis and Therapy 2 Fundamentals of Molecular Allergy - From Bench to Bedside 3 Aerobiology in the Clinics of Pollen Allergy 4 Food Allergies - New Challenges of Our Civilization 5 Anaphylaxis in Infants 6 Current Developments in Allergen-Specific Immunotherapy- A Brief Review 7 Mesenchymal Stem or Stromal Cells in Allergic Disease Management 8 Perspective Chapter - Management of Allergic Diseases during Pandemic	This book provides a comprehensive overview of allergies, ranging from environmental allergies to food allergies. It discusses the diagnosis and management of allergic reactions, including early exposure to allergens, immunotherapy, and stem cell treatment. It includes eight chapters organized into four sections. Chapters discuss some of the most frequent allergic diseases, such as atopic dermatitis and chronic urticaria. There is also a chapter dedicated to treating allergies during the COVID-19 pandemic.	134	2025	Clinical Immunology

91	978-93-7391-060-4	Cytotoxicity	Margaret A. Jordan	1 Cytotoxicity and Cell Viability Assessment of Biomaterials 2 Toxicity Evaluation and Biocompatibility of Nanostructured Biomaterials 3 Colorimetric Cytotoxicity Assays 4 Cellular Cytotoxicity and Multiple Sclerosis 5 Cytotoxicity Studies of Fruit-Extracted Metal Nanostructures 6 Cytotoxic Activity of Secondary Metabolite Compounds from Myanmar Medicinal Plants 7 Cancer Immunotherapy and Cytotoxicity: Current Advances and Challenges 8 Trypan Blue Exclusion Assay, Neutral Red, Acridine Orange and Propidium Iodide 9 In Vitro Cytotoxic and Apoptosis Induction Potential of Two Plant Extracts on HeLa Cells 10 Non-Encapsulated <i>Trichinella</i> Species: <i>T. pseudo spiralis</i> , <i>T. papuae</i> and <i>T.</i>	In the dynamic world of cellular biology, the intricate dance of life and death plays out through the lens of cytotoxicity. Delve deep into cellular responses' mysteries, where threats and defenses wage a microscopic war, influencing the broader landscape of health and disease. This authoritative volume on cytotoxicity encapsulates the breadth and depth of current knowledge, illuminating pathways that have been meticulously charted and those yet to be discovered. Each chapter, penned by experts in the field, unveils the molecular intricacies, external triggers, and translational potential of understanding cellular damage. Key Highlights: <ul style="list-style-type: none">•Comprehensive explorations of molecular mechanisms•Cutting-edge methodologies in cytotoxic research•Insight into the profound implications for drug development and disease therapeutics Whether you are a seasoned researcher, an aspiring scientist, or an avid learner, this	244	2025	Immunotoxicology
92	978-93-7391-229-5	Systemic Sclerosis	Preston M. McCourt	1 Current Update on the Role of Inflammation in the Pathogenesis of SSc 2 Chromosome Segregation Defects in Scleroderma 3 What Comes before Scleroderma 4 Diagnostic Methods for Microvasculopathy in Systemic Sclerosis 5 Assessment of Lung Involvement and Prognostic Value of the 6-Minute Walking Test for Pulmonary Involvement in Patients with Systemic Sclerosis 6 Important Considerations for Bone Health Management in Systemic Sclerosis Patients 7 Skeletal Muscle Involvement in Systemic Sclerosis	Systemic sclerosis (SSc) is a multisystem autoimmune disease involving vasculopathy and immune activation that leads to the deposition of extracellular matrix and the development of fibrosis, resulting in cardinal clinical problems. Systemic Sclerosis - Recent Advances and New Perspectives provides a comprehensive overview of the pathophysiology, diagnosis, and specific management of the clinical manifestations of SSc. The book addresses the current understanding of the causes and consequences of inflammatory activation, chromosomal instability, and activating factors. Special emphasis is placed on diagnosis, from the recognition of very early systemic sclerosis and consideration of its treatment to diagnostic methods for microvascular and pulmonary involvement. It also highlights the less life-threatening but very common manifestations of bone and skeletal muscle involvement, which affect patient quality of life.	130	2025	Immunopathology
93	978-93-7391-942-3	<i>Helicobacter pylori</i> Infection	Helge L. Waldum	1 <i>Helicobacter pylori</i> Gastric Infection: Pathogenesis and Clinical Management 2 Alpha-Glutamyl-Tryptophan in the Treatment of Chronic Atrophic Gastritis, Associated with <i>Helicobacter pylori</i> 3 <i>Helicobacter pylori</i> : A Bacterium Influencing and Causing Most of the Diseases in the Upper Gastrointestinal Tract – An Overview with Respect to Pathogenesis and Treatment Based on Basic Physiology 4 Extra Digestive Disease and <i>Helicobacter pylori</i> Infection 5 Changes in Vitamin B12, Iron, Thyroid Hormones, Thyroid Autoantibodies and Hematological Indices Levels in Patients Suffering from <i>Helicobacter pylori</i> Infection 6 <i>Helicobacter pylori</i> Infection Correlates with Lower Prevalence and Subsequent Incidence of Crohn's Disease 7 The Influence of <i>Helicobacter pylori</i> Infection Treatment on Psoriasis Severity	This book represents a comprehensive effort to investigate the complexity of <i>Helicobacter pylori</i> infection. As editors and contributors, we aim to provide a thorough exploration of the pathogenesis, diagnostic approaches, and contemporary clinical strategies in managing <i>H. pylori</i> -associated diseases. This book takes us through the multifaceted world of <i>H. pylori</i> infection. The first section provides thorough insights into the most recent knowledge of the pathogenesis, virulence factors, and complex adaptive modalities of <i>H. pylori</i> that allow it to colonize the stomach, evade our immune defenses, and trigger inflammation. This book's forefront lies in the evolution of diagnosis and clinical management. The book presents modern indications and treatment regimens for <i>H. pylori</i> infection, taking on the emerging challenges posed by antibiotic resistance and exploring the promise of future therapeutic strategies. An increasing number of investigations suggest that <i>H. pylori</i> infection might be involved in many extra gastric disorders such as cardiovascular, metabolic,	124	2025	Infectious Disease
94	978-93-7391-607-1	New Developments in HIV Treatments	Alexander Pivnik	1 Introductory Chapter: New Emerging Treatment Options for HIV-AIDS 2 Emerging Clinical Problem of Resistance to Antiplatelet Therapy in Primary Prevention and Treatment of Cardiovascular Events in People Living with HIV: Conundrum despite Effective cART 3 Gene Therapy Approaches in HIV Treatment 4 HIV Treatment and Obesity: What's New? 5 Immune Reconstitution Inflammatory Syndrome and Hodgkin's Lymphoma	The book introduces and discusses new drugs for radical cure of HIV/AIDS. It also discusses the problems and challenges of these treatments. Chapters address problems related to the use of antiplatelet therapy in HIV treatment, gene-based therapies as the most promising candidates for the ultimate cure of infection, obesity as an emerging public health problem among people living with HIV/AIDS, and the pathogenesis of immune reconstitution inflammatory syndrome (IRIS) with special reference to Hodgkin's lymphoma (HL), which frequently occurs following successful treatment of HIV with highly active antiretroviral therapy (HAART).	116	2025	Infectious Disease
95	978-93-7391-022-2	Mitochondria and Brain Disorders	Claudia Jara	1 Introductory Chapter: Mitochondrial Alterations and Neurological Disorders 2 Pathology Associated with Hormones of Adrenal Cortex 3 PET Imaging of Mitochondrial Function in the Living Brain 4 Mitochondrial Proteomic and Molecular Network Alterations in Human Ovarian Cancers 5 Mitochondrial Dysfunction as a Key Event during Aging: From Synaptic Failure to Memory Loss 6 Coenzyme Q 10 and L-Carnitine Disturbances in Children with Mitochondrial Diseases	The mitochondrion is a unique and ubiquitous organelle that contains its own genome, encoding essential proteins that are major components of the respiratory chain and energy production system. Mitochondria play a dominant role in the life and function of eukaryotic cells including neurons and glia, as their survival and activity depend upon mitochondrial energy production and supply. Besides energy production, mitochondria also play a vital role in calcium homeostasis and may induce apoptosis by excitotoxicity. Mitochondrial dysfunction is related to common neurological diseases, such as Parkinson's disease, Alzheimer's disease, Friedreich's ataxia, Huntington's disease, and Multiple Sclerosis. An efficient treatment of mitochondrial dysfunction would open new horizons in the therapeutic perspectives of a substantial number of inflammatory and degenerative neurological disorders.	124	2025	Mitochondrial Genetics

96		978-93-7391-740-5	Fluid and Electrolyte Disorders	Holly Mabillard and John A. Sayer	1 Fluids and Sodium Imbalance: Clinical Implications 2 Hyponatremia and Psychotropic Drugs 3 Metabolic Alkalosis 4 Bartter and Gitelman Syndromes 5 Calcium, Phosphate and Magnesium Disorders 6 Potassium and Its Disorders	This book provides readers with all the tools needed to handle interesting clinical challenges in the field of fluid and electrolyte disorders. It aims to offer an up-to-date clinical text for medical residents, fellows, practicing physicians, and nephrologists in a simple and easy-to-understand format. It provides the right balance between basic science and practical clinical guidance. It discusses the current evidence regarding the physiology, basic fundamentals, clinical presentation, and management of these disorders and will help clinicians to handle these disorders effectively. And all chapters have been extensively revised and bound to include the latest developments in the field.	136	2025	Nephrology
97		978-93-7391-997-3	Advances in Histopathology	Roxana Folescu and Andrei Motoc	1 Human Papillomavirus Detection in Head and Neck Squamous Cell Carcinomas and Its Clinical Implications 2 Shadow Keyplayers of the Uterine Cervix Lesions Progression and Metastasis 3 Surgical and Clinical Pathology of Breast Diseases 4 On the Bone Tumours: Overview, Classification, Incidence, Histopathological Issues, Behavior and Review Using Literature Data 5 Nocardiosis: Clinical and Pathological Aspects 6 Cytopathology of Canine Mammary Gland Affections 7 Ossifying Fibromas of the Craniofacial Skeleton 8 Morphology of the Intestinal Barrier in Different Physiological and Pathological Conditions 9 Histological Change of Aquatic Animals by Parasitic Infection 10 Toxicology of the Bioinsecticides Used in Agricultural Food Production	This edition aims to present some relevant topics in the histopathology area that may be of interest for medical doctors and for other professionals interested in pathology. Histopathology applies basic knowledge obtained from biologic and anatomic science to make diagnosis, to determine the severity and progress of a condition and to evaluate the possible response to certain therapies. Thus, it is not surprising that this discipline constantly expands with progresses produced in biology. In addition, novel technologies that have been recently incorporated, and the adoption of the histopathological methods by different areas, contribute to enlarge the fields that may apply the histopathological methodology. The papers selected for this book comprise a cross-section of topics that reflect the variety of perspectives that histopathology contemplates. Selected representative reviews of topics that are considered relevant or introduce novel concepts are included in this book.	300	2025	Histopathology
98		978-93-7391-148-9	Pathophysiology	Johannes M. Baumann	1 Body Dysmorphic Disorder: Characteristics, Psychopathology, Clinical Associations, and Influencing Factors 2 Alteration in Nasal Cycle Rhythm as an Index of the Diseased Condition 3 Changes in the Striatal Network Connectivity in Parkinsonian and Dyskinetic Rodent Models 4 Transthyretin in the Evaluation of Health and Disease in Human and Veterinary Medicine 5 The Intricate Relationship between Diabetes, Diet and the Gut Microbiota 6 Hypophosphatasia: A Systemic Skeletal Disorder Caused by Alkaline Phosphatase Deficiency 7 Dynamic Properties of Skeletal Muscle Contraction in Rats with Diabetes 8 Immunopathology of Kidney Transplantation 9 The Way from Renal Calcifications and Urinary Crystals to Kidney Stones: An	Pathophysiology is the convergence of pathology (the discipline of observed changes in a diseased state) with physiology (the mechanisms of systems operation). It represents the functional changes that occur because of injury or disease. This volume provides state-of-the-art up-to-date literature reviews on pathophysiological processes in a number of disease states. The book is organised methodically in a head-to-toe systems approach examining aspects of neuropathophysiology, endocrine pathophysiology, structural biology, renal pathophysiology and genitourinary pathophysiology. This short volume on pathophysiology is intended for general medical and biomedical students at both undergraduate and postgraduate levels. In addition, it is a useful short update of recent advances in research and translational biology to those working in academia or healthcare science.	224	2025	Pathophysiology
99		978-93-7391-617-0	Neonatal Bacterial Infection	Friedrich Reiterer	1 Early Detection and Prevention of Neonatal Sepsis 2 Neonatal Pneumonia 3 Neonatal Osteomyelitis 4 The Role of C-Reactive Protein in the Diagnosis of Neonatal Sepsis 5 The Role of Immature Granulocyte Count and Immature Myeloid Information in the Diagnosis of Neonatal Sepsis 6 Immunoglobulins in the Prevention and Treatment of Neonatal Sepsis	Neonatal sepsis still remains a significant cause of morbidity and mortality in the newborn, particularly in preterm, low birth weight infants. Despite advances in neonatal care, overall case-fatality rates from sepsis may be as high as 50%. Clinical signs of bacterial infection are vague and non-specific, and up to now there exists no easily available, reliable marker of infection despite a large bulk of studies focussing on inflammatory indices in neonatology. Every neonatologist is faced with the uncertainty of under- or over-diagnosing bacterial infection. In this book three topics will be discussed: clinical presentation including a general approach to sepsis neonatorum and two distinct diagnoses pneumonia and osteomyelitis diagnostic approaches including C-reactive protein and the immature myeloid information, and prevention and treatment of bacterial infection with immunoglobulins.	106	2025	Neonatology
100		978-93-7391-163-2	Neonatal Care	Peter Waiswa	1 Maternal Socio-Economic Status and Childhood Birth Weight: A Health Survey in Ghana 2 Improving Newborn Interventions in Sub-Saharan Africa – Evaluating the Implementation Context in Uganda 3 Recent Advances in Neonatal Gastroenterology and Neonatal Nutrition 4 Brain Injury in Preterm Infants 5 Parenchymatous Brain Injury in Premature Infants: Intraventricular Hemorrhage and Periventricular Leukomalacia 6 Association of Meconium Stained Amniotic Fluid with Fetal and Neonatal Brain Injury 7 Sleep Development and Apnea in Newborns	This up-to-the-minute work is set against the backdrop of remarkable advances in Neonatal care. Including selected updates of contemporary issues concerning basic research and clinical practice, the present book investigates pathogenetic mechanisms implicated in fetal brain injury, sleep apnea, as well as covering the field of neonatal gastroenterology and nutrition care. It stimulates further research by fully acquainting the reader with the current knowledge and future perspectives in the sphere of an epidemiologic study for low birthweight, and the introduction of an effective, evidence-based innovative newborn program of care. Multidisciplinary specialists in Neonatology will find this book to be an essential resource, fundamental for a successful neonatal outcome.	134	2025	Neonatology

101		978-93-7391-102-1	Dopamine	Wojciech Kozubski	<p>1 Introductory Chapter: "Feel Good" Chemical Dopamine - Role in Health and Disease</p> <p>2 Dopamine and Early Onset Parkinson's Disease</p> <p>3 Sleep and Health: Role of Dopamine</p> <p>4 Manganese Inhalation Induces Dopaminergic Cell Loss: Relevance to Parkinson's Disease</p> <p>5 Physiology and Metabolic Anomalies of Dopamine in Horses: A Review</p> <p>6 Oxidative Polymerization of Dopamine: A High-Definition Multifunctional Coatings for Electrospun Nanofibers - An Overview</p>	<p>The chemical basis of human emotions has been an exciting aspect in biology. The "feel-good chemical" dopamine (DA) is a hormone and also a neurotransmitter, which performs a critical role in reward and movement control in the brain. DA also performs multiple other functions outside the brain. Regulating unrelated critical biological functions makes this chemical a vital factor for sustaining life in both health and disease. Dopamine - Health and Disease is an endeavour with an objective to understand and appreciate the biological functions of DA in human wellbeing and its potential utility in biomedical research. This effort will supplement scientific and non-scientific communities in stimulating a critical understanding of the biological purpose of "ticklish" DA, which eventually supports the human relentless effort to reduce the burden of disease. As the most exciting molecule, dopamine directly impacts day-to-day life. Anyone who has an eye for health and disease-related concepts will find this book a good read.</p>	142		2025	Neuropharmacology
102		978-93-7391-905-8	Neurological Physical Therapy	Todo Marina and Chieko Onigata	<p>1 The Study of Action Observation Therapy in Neurological Diseases: A Few Technical Considerations</p> <p>2 Motor Imagery and Action Observation as Effective Tools for Physical Therapy</p> <p>3 The Effect of Motor Imagery on Spinal Motor Neuron Excitability and Its Clinical Use in Physical Therapy</p> <p>4 Clinical Application of Motor Imagery Training</p> <p>5 The Effects of Motor Imagery After a Variety of Motor Learning Times on Excitability of Spinal Motor Neurons and Accurate Motion</p> <p>6 Relationship Between Excitability of Spinal Motor Neurons in Remote Muscles and Voluntary Movements</p> <p>7 Effects of Repetitive Finger Movements on the Short-Latency Somatosensory-Evoked Potentials</p> <p>8 Non-Invasive Brain Stimulation (TMS/tDCS) and Rehabilitation for Stroke and</p>	<p>Physical therapy services may be provided alongside or in conjunction with other medical services. They are performed by physical therapists (known as physiotherapists in many countries) with the help of other medical professionals. This book consists of 12 chapters written by several professionals from different parts of the world. The book covers different subjects, such as the effects of physical therapy, motor imagery, neuroscience-based rehabilitation for neurological patients, and applications of robotics for stroke and cerebral palsy. We hope that this book will open up new directions for physical therapists in the field of neurological physical therapy.</p>	234		2025	Neurology
103		978-93-7391-141-0	Pain Management - From Acute to Chronic and Beyond	Gustavo Rodriguez	<p>1 Introductory Chapter: Pain in ICU</p> <p>2 Postoperative Analgesia</p> <p>3 Pain Management in the Emergency Department – Newer Modalities and Current Perspective</p> <p>4 ERAS Protocols and Multimodal Pain Management in Surgery</p> <p>5 Effectiveness of Ultrasound-Guided Serial Injection Triple Nerve Block before and after Cementless Bipolar Hemiarthroplasty in Femoral Neck Fracture</p> <p>6 Intravenous Lidocaine in Non-Opioid Multimodal Perioperative Pain Management: Current Controversy and Future Perspectives</p> <p>7 Perspective Chapter: Interdisciplinary Pain Rehabilitation Programs – Evidence and Clinical Real-World Results</p> <p>8 Pain Management in Palliative Care: What Is Significant?</p> <p>9 Scrambler Therapy in Acute and Chronic Pain: A Review</p>	<p>With more than 230 million surgical procedures performed annually worldwide, and 30% or more of people affected by chronic pain globally, pain management is consistently a top priority. Its personal and social burden is enormous and thus much literature and research focuses on pain medicine. Along with the evolution of precision medicine, today's typical pain management strategies include a personalized, multimodal, interdisciplinary treatment approach, which might include pharmacotherapy, psychotherapy, integrative treatments, and invasive procedures. This book presents the latest advancements in pain management, covering a wide field of topics in pain medicine.</p>	344		2025	Algriaty / Pain Management
104		978-93-7391-208-0	Occupational Therapy	Bryan M. Gee	<p>1 Occupational Therapy's Role in the Treatment of Children with Autism Spectrum Disorders</p> <p>2 Executive Functions and Neurology in Children and Adolescents</p> <p>3 Occupational Therapy in Forensic Settings</p> <p>4 Employment of People with Disabilities and Ergonomic Risk Factors at Workplace</p> <p>5 Animal-Assisted Therapy in Occupational Therapy</p> <p>6 New Flower Bed Design and Verification Supporting Horticultural Therapy Classes Based on Behavioral Observation</p>	<p>Occupational therapy is a health care specialty with a deep focus on client-centered and holistic rehabilitation to improve the individual's occupational performance, quality of life and well-being through participation in meaningful and purposeful activities. This new book presents the importance of the therapeutic and creative use of activity in different populations, which is one of the core components of occupational therapy. Rehabilitation, rehabilitation delivery and outcomes are affected by recent changes in the meaning of health and social values. This resulted in an increasing necessity for therapeutic therapy, as well as creative use of activity in occupational therapy. This book focuses on recent advances in occupational therapy and reviews current practical guidelines. It introduces updated knowledge and skills for children, adults and the communities, including physical, mental, social, sensory, behavioral, environmental and community-based interventions to prevent, promote and improve activity use. The book will be relevant to occupational therapists, speech</p>	136		2025	Occupational Therapy
105		978-93-7391-995-9	Anorexia and Bulimia Nervosa	Samantha Jane Brooks	<p>1 Impulsivity and Compulsivity in Anorexia Nervosa: Cognitive Systems Underlying Variation in Appetite Restraint from an RDoC Perspective</p> <p>2 Bulimia Nervosa and Body Dissatisfaction in Terms of Self-Perception of Body Image</p> <p>3 Bulimia Nervosa: Is Body Dissatisfaction a Risk Factor?</p> <p>4 The Neurobiology of Anorexia Nervosa</p> <p>5 Possible Dysregulation of Orexin and Dopamine Systems in Anorexia Nervosa</p> <p>6 Dysbiosis of the Microbiota in Anorexia Nervosa: Pathophysiological Implications</p> <p>7 Patients' and Carers' Perspectives of Psychopharmacological Interventions Targeting Anorexia Nervosa Symptoms</p> <p>8 Storytelling as a Therapeutic Tool for Family Support in Bulimia Nervosa</p>	<p>The prevalence of eating disorders such as anorexia and bulimia nervosa is growing, and these disorders are affecting adolescents and young adults at increasingly younger ages. This has led to a greater number of patients presenting to health services. Although novel therapeutic approaches have been introduced in recent decades, the mortality rates of patients with anorexia and bulimia nervosa remain alarmingly high. The course of anorexia nervosa in particular is often chronic and can lead to persistent disability. This book covers the clinical features and symptoms, neurobiology, pathophysiology, and current and potential future treatment options for both anorexia and bulimia nervosa. It also highlights the important aspects of support for families and their perspectives on these disorders.</p>	176		2025	Psychiatry

106		978-93-7391-193-9	New Perspectives in Asthma	Chen Hao	<p>1 Introductory Chapter: New Understandings of Asthma</p> <p>2 The Relationship between microRNAs, ILC2s and Th2 Cells</p> <p>3 The Blood Biomarkers of Asthma</p> <p>4 Environmental and Occupational Factors; Contribution and Perspectives on Difficult to Treat Asthma</p> <p>5 Effect of Family Education on Clinical Outcomes in Children with Asthma: A Review</p>	<p>Allergic asthma stands as the prevailing respiratory allergic disease among children. This book serves as a comprehensive guide, presenting the latest advancements in asthma diagnosis and treatment, insights into the pathogenesis of asthma, exploration of asthma biomarkers, examination of the impact of environment and occupation on asthma, and guidance on family education and asthma management. Healthcare professionals who specialize in treating asthma will find this book to be an invaluable resource in their practice.</p>	86		2025	Pulmonary Disease
107		978-93-7391-200-4	Pleura	Francesco Leo	<p>1 Introductory Chapter: Pleura, A Surgical Perspective</p> <p>2 Surgical Management of Pleural Space Infection</p> <p>3 Chest Tubes</p> <p>4 Indwelling Pleural Catheters</p> <p>5 Bronchopleural Fistula after Pulmonary Resection: Risk Factors, Diagnoses and Management</p> <p>6 Surgical Challenges of Chronic Empyema and Bronchopleural Fistula</p> <p>7 Pneumothorax: A Concise Review and Surgical Perspective</p> <p>8 Secondary Pneumothorax from a Surgical Perspective</p> <p>9 Pneumothorax in Children</p>	<p>This book provides the thoracic community and pleura experts with an up-to-date surgical vision of pleura pathology. It provides in-depth knowledge and a better understanding of the indications, positioning techniques, and management of chest drains and indwelling catheters, which are commonly utilized in the management of the pleural disease. The book addresses complex topics such as bronchopleural fistula and postoperative empyema as well as pneumothorax.</p>	176		2025	Pulmonology
108		978-93-7391-494-7	Pulmonary Emphysema	Peter Riddell	<p>1 Introductory Chapter: Contemporizing Chronic Obstructive Pulmonary Disease</p> <p>2 The Intricate Involvement of Macrophages in Pulmonary Emphysema: Insights, Mechanisms, and Therapeutic Perspectives</p> <p>3 Respiratory Surface Electromyography: Concepts, Utility, and Challenges</p> <p>4 Overview of Bronchoscopy and Its Employment in Pulmonary Emphysema</p> <p>5 Lung Deposition of Air Pollutants and Inhaled Drugs in Patients with Chronic Obstructive Pulmonary Disease (COPD) and Those on Non-Invasive Ventilation (NIV): Is It Still Challenging?</p> <p>6 Lung Transplantation as a Treatment Strategy for Pulmonary Emphysema</p>	<p>Pulmonary emphysema, long subsumed under the umbrella term "chronic obstructive pulmonary disease" or its acronym COPD, has a long and elaborate history, originating from its description at the dawn of modern medicine. This textbook combines the old with the new—the historical developments in pulmonary emphysema are retraced from its earliest depiction to the contemporary revisions of the definition, nomenclature, and taxonomy (classification) of COPD, as advocated by the Global Initiative for Obstructive Lung Disease (GOLD) Strategy for Prevention, Diagnosis and Management of COPD. Additionally, the following topics of interest are included to ensure that this textbook remains a constant: the role of macrophages in pulmonary emphysema, respiratory electromyography, bronchoscopy, evaluation of lung deposition of air pollution and drug delivery, and lung transplantation for advanced lung disease. The reader with a keen interest in pursuing hot topics in respiratory medicine will benefit from this concise and disparate anthology on pulmonary</p>	232		2025	Pulmonology

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