

Pediatric Journal Allergy Immunology

Severe asthma is a form of asthma that responds poorly to currently available medication, and its patients represent those with greatest unmet needs. In the last 10 years, substantial progress has been made in terms of understanding some of the mechanisms that drive severe asthma; there have also been concomitant advances in the recognition of specific molecular phenotypes. This ERS Monograph covers all aspects of severe asthma – epidemiology, diagnosis, mechanisms, treatment and management – but has a particular focus on recent understanding of mechanistic heterogeneity based on an analytic approach using various ‘omics platforms applied to clinically well-defined asthma cohorts. How these advances have led to improved management targets is also emphasised. This book brings together the clinical and scientific expertise of those from around the world who are collaborating to solve the problem of severe asthma.

As an internationally renowned specialist in childhood allergy and immunology, Prof. Susan Prescott takes us on a journey into the science behind the allergy epidemic. As both an allergy specialist working in a busy children's hospital and as a cutting edge research scientist, Prescott is perfectly placed to explore how and why we are experiencing an epidemic rise in allergic diseases, as well as the practical side of dealing with these potentially serious conditions. With clear, no-nonsense explanations and a very personable style, Prescott informs, assures, and educates in this book.

Stay up-to-date on the latest evidence and clinical practice in pediatric acute care with the definitive textbook in the field. Now in its second edition, *Pediatric Acute Care: A Guide for*

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Interprofessional Practice takes an evidence-based, interprofessional approach to pediatric acute care as it exemplifies the depth and diversity that's needed for the dynamic healthcare environments in which acutely ill children receive care. Coverage includes how to work with the pediatric patient and family, major acute care disorders and their management, emergency preparedness, common acute care procedures, and much more. With contributions from more than 200 practicing clinicians and academic experts, it represents a wide variety of disciplines including medicine, nursing, pharmacy, child life, nutrition, law, integrative medicine, education, public health, and psychology, among others. The second edition also features the addition of new physician and nurse practitioner co-editors as well as extensive content updates including updated evidence-based content throughout the text, the integration of the 2016 IPEC Core Competencies for Interprofessional Collaborative Practice, a new full-color design, and new vivid illustrations throughout. **UNIQUE!** Interprofessional collaborative approach includes contributions from more than 200 practicing clinicians and academic experts from the U.S. and Canada, including nursing, medicine, pharmacy, child life, nutrition, law, integrative medicine, education, public health, and psychology. Consistent organization within disorder chapters begins with a section on Physiology and continues with sections on Pathophysiology, Epidemiology and Etiology, Presentation, Differential Diagnosis, Diagnostic Studies, and a Plan of Care that include Therapeutic Management, Consultation, Patient and Family Education and Disposition and Discharge Planning. Comprehensive content spanning five units divides coverage into introductory information, the approach to the pediatric patient and family, major acute care disorders and their management, emergency preparedness, and common acute care procedures. **NEW!** Updated evidence-based content has been added

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throughout to ensure that you're up-to-date on all topics needed to provide care for pediatric patients in acute, inpatient, emergency, transport, and critical care settings. NEW! Full-color design and illustrations enhance learning and make content easier to navigate and digest. NEW! Integration of the 2016 IPEC Core Competencies ensure that you're learning the professional skills and protocols required for effective, contemporary interprofessional collaborative practice. UPDATED! Streamlined procedures unit focuses more sharply on need-to-know content.

Clinical skills are essential to the practice of nursing and learning these skills requires a wealth of both factual knowledge and technical expertise. Supplementing practical teaching, *Developing Practical Skills for Nursing Children and Young People* is a comprehensive skills text that describes clinical skills in the style of a tutor teaching at

Issues in Pediatric and Adolescent Medicine Research and Practice: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Pediatric and Adolescent Medicine Research and Practice. The editors have built *Issues in Pediatric and Adolescent Medicine Research and Practice: 2011 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about Pediatric and Adolescent Medicine Research and Practice in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of *Issues in Pediatric and Adolescent Medicine Research and Practice: 2011 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively

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Prepared by residents and fellows with senior faculty advisors, this quick-reference manual outlines current concepts and practice guidelines in the rapidly evolving fields of allergy, asthma, and immunology. Symptom-oriented and disease-oriented sections cover both acute and chronic problems, including drug allergy, anaphylaxis, eosinophilia, immunodeficiency, and latex allergy. Appendices include commonly used allergy and asthma drugs, laboratory values for tests in immunology, and a sample schedule for perennial aqueous immunotherapy.

Offers guidance in understanding and living with food allergies and intolerances, includes common symptoms and reactions, self-assessments and tests, and guidelines for managing a healthy diet.

This pediatric primary care text takes a family centered approach, examining issues from the perspective of the child and the caregiver. Unlike most primary care texts, it blends traditional health care with complementary therapies.

Throughout, it identifies needs based on culture and ethnicity and lists community resources--including websites--where families can obtain more information or help. Features include: Case Studies, Clinical Pearls, and Clinical Warnings.

Compatibility: BlackBerry(R) OS 4.1 or Higher / iPhone/iPod Touch 2.0 or Higher / Palm OS 3.5 or higher / Palm Pre Classic / Symbian S60, 3rd edition (Nokia) / Windows Mobile(TM) Pocket PC (all versions) / Windows Mobile Smartphone /

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Windows 98SE/2000/ME/XP/Vista/Tablet PC

Revised and updated for its Seventh Edition, this highly acclaimed volume is a complete, current, and practical guide to the diagnosis and treatment of allergic disorders. This comprehensive yet concise reference will remain the first choice for residents and practitioners who need guidance to identify an allergy, confirm a diagnosis, or find effective therapies. It will also be an excellent aid for board review. This edition includes discussions of clinical trials in asthma and significant updates on drug allergy, imaging, occupational allergy, and immune deficiency evaluation. A Companion Website will include the fully searchable text and additional illustrations and tables.

This book, based on a recent German publication, offers an overview of basic data and recent developments in the groundbreaking field of molecular allergology. It comprehensively explores the origin and structure of single allergen molecules ("components") and their utility in improving the management of type I, IgE-mediated allergic reactions and disorders like allergic respiratory diseases, food allergies, and anaphylaxis. Highly specific testing, called component-resolved diagnostics, aims to identify and utilize single molecules. Over 200 single allergens from plant or animal sources have been applied to single or multiplex laboratory testing for the presence of allergen-specific IgE.

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This leap in assay sensitivity and specificity has led to three major advances in patient management: discrimination between primary allergic sensitization and complex cross-reactivity, recognition of IgE profiles for certain allergens and identification of patients most likely to benefit from allergen-specific immunotherapy. The book discusses in detail the benefits and limitations of this 21st century technology, and offers suggestions for the use of molecular allergology in routine clinical practice. It is a “must read” for physicians treating allergic patients as well as scientists interested in natural allergic molecules and their interactions with the human immune system.

September 07-08, 2017 Edinburgh, Scotland Key Topics : Asthma, Skin Allergy, Drug Allergy, ENT Allergy, Food Allergy, Clinical Immunology & Allergy, Asthma: Immunopathology, Pediatric Allergy, Asthma & immunology, Ocular Allergy, Gastrointestinal immunology and allergy, Infection and Allergy, Allergy Prevention, Risk Factors & Treatment, Allergy Diagnosis & Medicine, Biologics of Asthma, Veterinary Allergology, Primary Immunodeficiency, Immunotherapy, Biomarkers for Allergy, Asthma & Clinical Immunology, Ethical Rules for Allergy , Asthma & Clinical Immunology, Adherence and Self-Management in Pediatric Populations addresses the contemporary theories, evidence-based assessments, and intervention

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approaches for common pediatric chronic illnesses. An introductory chapter summarizes the state of the field and provides a general foundation in adherence and self-management. Subsequent chapters focus on specific diseases, ensuring that the scope of knowledge contained therein is current and thorough, especially as the assessments and interventions can be specific to each disease. Case examples are included within each chapter to illustrate the application of these approaches. The book ends with an emerging areas chapter to illuminate the future of adherence science and clinical work. This book will be extremely helpful to professionals beginning to treat youth with suboptimal adherence or for those who conduct adherence research. Experts in the field will benefit from the synthesized literature to aid in clinical decision-making and advancing adherence science. Organized by disease for quick reference Provides case examples to illustrate concepts Incorporates technology-focused measurement and intervention approaches (mobile and electronic health) throughout

As the parent of a child with multiple food allergies, Alison Orman understands the challenges. In this accessible book she explains what food allergies are, and gives sensible, practical advice on how to live with, and manage them. The product of a world center of excellence in teaching and medical and surgical practice, second edition of a bestseller combines the advantages of a colour atlas

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with those of a short textbook covering clinical features, epidemiology, investigations, and differential diagnosis. Illustrations include clinical photos, imaging, charts, graphs, and histology where appropriate. The author/editor team, supported by specialist contributions from clinicians at Institute of Child Health/Great Ormond Street, offers an unmatched range of expertise in a compact volume. The book is of lasting reference value to pediatricians in training and practice, and to professionals in many other disciplines.

October 01-02, 2018 | Moscow, Russia Key Topics : Asthma, Skin Allergy, Drug Allergy, ENT Allergy, Food Allergy, Clinical Immunology & Allergy, Asthma: Immunopathology, Pediatric Allergy, Asthma & immunology, Ocular Allergy, Gastrointestinal immunology and allergy, Infection and Allergy, Allergy Prevention, Risk Factors & Treatment, Allergy Diagnosis & Medicine, Veterinary Allergology, Primary Immunodeficiency, Immunotherapy, Biomarkers for Allergy, Asthma & Clinical Immunology

For children with food allergies, eating—one of the basic functions of life—can be a nightmare. Children who suffer or become dangerously ill after eating peanuts, seafood, milk, eggs, wheat, or a host of other foods require constant vigilance from caring, concerned parents, teachers, and friends. In this empathetic and comprehensive guide, Dr. Scott H. Sicherer, a specialist in pediatric food

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allergies, gives parents the information they need to manage their children's health and quality of life. He describes why children develop food allergy, the symptoms of food allergy (affecting the skin, the gastrointestinal tract, and the respiratory system), and the role of food allergy in behavioral problems and developmental disabilities. Parents will learn how to recognize emergency situations, how to get the most out of a visit with an allergist, what allergy test results mean, and how to protect their children—at home, at school, at summer camp, and in restaurants. Informative, compassionate, and practical, this guide will be indispensable for parents, physicians, school nurses, teachers, and everyone else who cares for children with food allergies.

This reference collects the latest studies on the development, diagnosis, and treatment of childhood asthma and offers current perspectives on new technologies that will shape the management of pediatric asthma in the forthcoming decade—illustrating how advances in pulmonary function measurement, inflammatory markers, imaging, and pharmacogenetics will enhance the diagnosis and monitoring of asthma in years to come.

Essential Reading for Every Parent In the early 1990s, tens of thousands of children with severe peanut and food allergies arrived for kindergarten at schools in Canada, the United Kingdom, Australia, and the United States. The

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phenomenon of a life-threatening allergy in kids in only these countries occurred simultaneously, without warning, and it quickly intensified. The number of peanut allergic children in the United States alone went from virtually none to about two million in just twenty years. As these children have aged, the combined number of American adults and children allergic to peanuts has grown to a total of four million. How and why has this epidemic occurred? In *The Peanut Allergy Epidemic*, Heather Fraser explains: Precisely when the peanut allergy epidemic began How a child-specific allergy epidemic happened before, at the close of the nineteenth century That in the early twentieth century doctors including the 1913 Nobel Prize in medicine winner identified vaccination as the cause of the first pediatric allergy epidemic impacting 50 percent of children That more than one hundred years of medical literature describes how vaccination creates allergy to what is in the shot, air, or body at the time of injection How changes in US vaccination legislation sparked the allergy epidemic in children Fraser also highlights alternative medicines and explores issues of vaccine safety and other food allergies, making this fully updated second edition a must-read for every parent, teacher, and health professional.

Allergy, Immunity and Tolerance in Early Childhood: The First Steps of the Atopic March provides valuable insights on the atopic diseases, including asthma, allergic rhinitis, atopic

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dermatitis, and food allergies, which have developed into major health problems in most parts of the world. As the natural history of these chronic diseases has been extensively studied, including their major genetic, environmental, and lifestyle determinants and potential protective factors, the book presents tactics on how pediatric allergists can provide early intervention. In addition, the book unites key, global experts in the field who summarize their collective, and current, knowledge of the early stage of the "Atopic March", along with novel ideas for potential options of prevention. Summarizes the current knowledge of the epidemiological, genetic, and cellular basis of allergic diseases Ideal reference for the study of allergies in young children, atopic dermatitis, allergic rhinitis, childhood asthma, and food allergies Provides landmark findings in the field of immunology and allergy development Fulfills the need for a book that focuses on primary and secondary allergy prevention, especially during the first years of life Unites key, global experts in the field who summarize their collective, and current, knowledge, along with novel ideas for potential options of prevention

A guide to understanding and handling food allergies and sensitivities A comprehensive overview of food sensitivities, including food allergies and food intolerances. The authors clear up much of the confusion consumers have about food sensitivities as they help food-sensitive individuals understand their symptoms, manage their condition and learn to enjoy eating again. Features: - Listing of most common food allergies - Examination of the differences between allergies and intolerances - Discussion of where to look for hidden food allergens - Case studies of various allergic reactions - Questions to ask your doctor - Guide to traveling with food allergies - Quiz for when to get tested - A look at new and future treatments for food sensitivity

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Food allergy has increased over the past two decades, with a larger number of patients presenting a myriad of related symptoms and illnesses to physicians and allied health professionals. The growing number of patients poses a challenge to health care providers and confirms the need for developing best clinical practice guidelines. Based on the Experience of Thousands of practitioners and students have relied on this handbook, now thoroughly revised, for authoritative information on the links between psychological and medical issues from infancy through adolescence. Sponsored by the Society of Pediatric Psychology, the volume explores psychosocial aspects of specific medical problems, as well as issues in managing developmental and behavioral concerns that are frequently seen in pediatric settings. The book describes best practices in training and service delivery and presents evidence-based approaches to intervention with children and families. All chapters have been rigorously peer reviewed by experts in the field. New to This Edition: *Chapters on rural health, the transition to adult medical care, prevention, and disorders of sex development. *Expanded coverage of epigenetics, eHealth applications, cultural and ethnic diversity, spina bifida, and epilepsy. *Many new authors; extensively revised with the latest with the latest information on clinical populations, research methods, and interventions. *Chapters on training and professional competencies, quality improvement and cost-effectiveness, and international collaborations. See also *Clinical Practice of Pediatric Psychology*, edited by Michael C. Roberts, Brandon S. Aylward, and Yelena P. Wu, which uses rich case material to illustrate intervention techniques. A life-changing, research-based program that will end food allergies in children and adults forever. The problem of food allergy is exploding around us. But this book offers the first glimpse of hope with a powerful message: You can work with your family and your doctor to

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eliminate your food allergy forever. The trailblazing research of Dr. Kari Nadeau at Stanford University reveals that food allergy is not a life sentence, because the immune system can be retrained. Food allergies--from mild hives to life-threatening airway constriction--can be disrupted, slowed, and stopped. The key is a strategy called immunotherapy (IT)--the controlled, gradual reintroduction of an allergen into the body. With innovations that include state-of-the-art therapies targeting specific components of the immune system, Dr. Nadeau and her team have increased the speed and effectiveness of this treatment to a matter of months. New York Times bestselling author Sloan Barnett, the mother of two children with food allergies, provides a lay perspective that helps make Dr. Nadeau's research accessible for everyone. Together, they walk readers through every aspect of food allergy, including how to find the right treatment and how to manage the ongoing fear of allergens that haunts so many sufferers, to give us a clear, supportive plan to combat a major national and global health issue.

Sicherer reviews food reactions that are not allergic (such as lactose intolerance and celiac disease), advises how to get adequate nutrition when you must avoid dietary staples, and discusses whether allergies ever go away (they do—and sometimes they return).

Molecular Allergy Diagnostics Innovation for a Better Patient Management Springer
Presenting current information on the diagnosis, management, and treatment of allergies occurring in children, this handbook contains 60 contributions by doctors, psychiatrists, pathologists, geneticists, and other scientists. After discussing the causes and impact of allergic diseases, the book covers immunological diseases, immune-

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directed therapies, upper airway disease, asthma, food allergies, allergic skin and eye diseases, and drug allergy and anaphylaxis.

America's health care system has become too complex and costly to continue business as usual. Best Care at Lower Cost explains that inefficiencies, an overwhelming amount of data, and other economic and quality barriers hinder progress in improving health and threaten the nation's economic stability and global competitiveness. According to this report, the knowledge and tools exist to put the health system on the right course to achieve continuous improvement and better quality care at a lower cost. The costs of the system's current inefficiency underscore the urgent need for a systemwide transformation. About 30 percent of health spending in 2009--roughly \$750 billion--was wasted on unnecessary services, excessive administrative costs, fraud, and other problems. Moreover, inefficiencies cause needless suffering. By one estimate, roughly 75,000 deaths might have been averted in 2005 if every state had delivered care at the quality level of the best performing state. This report states that the way health care providers currently train, practice, and learn new information cannot keep pace with the flood of research discoveries and technological advances. About 75 million Americans have more than one chronic condition, requiring coordination among multiple specialists and therapies, which can increase the potential for miscommunication, misdiagnosis, potentially conflicting interventions, and dangerous drug interactions. Best Care at Lower Cost emphasizes that a better use of data is a critical element of a continuously

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improving health system, such as mobile technologies and electronic health records that offer significant potential to capture and share health data better. In order for this to occur, the National Coordinator for Health Information Technology, IT developers, and standard-setting organizations should ensure that these systems are robust and interoperable. Clinicians and care organizations should fully adopt these technologies, and patients should be encouraged to use tools, such as personal health information portals, to actively engage in their care. This book is a call to action that will guide health care providers; administrators; caregivers; policy makers; health professionals; federal, state, and local government agencies; private and public health organizations; and educational institutions.

Eczema: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Eczema in a concise format. The editors have built Eczema: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Eczema in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Eczema: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the

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The 100 Cases series provides a novel learning and revision tool that works by guiding the reader through each clinical case in a highly structured manner. Each scenario provides details of the patient's medical history and the key findings of a clinical examination, together with initial investigation results data for evaluation. Key questions then prompt the reader to evaluate the patient, and reach a decision regarding their condition and the possible treatment plan, while the answer pages reveal the processes a clinician goes through in such situations. The volumes are designed with the student in mind, and include features to aid self-directed learning, clinical reasoning and problem-solving. 100 Cases in Paediatrics covers the following subject areas: Respiratory, Cardiology, Endocrinology and diabetes, Gastroenterology, Nephrology, Infections, Dermatology, Haematology, Oncology, Bones and joints, Neurology, Child and Adolescent Psychiatry, Neonatology, Miscellaneous

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