

Pdf free Eaaci guideline on allergen immunotherapy allergic asthma Copy

this fifth edition of the bestselling allergens and allergen immunotherapy is now completely updated and revised to include subcutaneous sublingual and oral immunomodulator treatments of allergic disease the redesigned book continues to provide comprehensive coverage of all types of allergens and allergen vaccines giving clinicians the essential allergy and allergen immunotherapy new mechanisms and strategies is a valuable and comprehensive book that covers allergy and causative allergens and provides diagnostic and therapeutic aspects as well with chapters from internationally recognized experts in the field the book provides a balanced approach to enumerating pollen allergens as well as allergy diagnosis and therapeutic management and safety assessment of genetically engineered food allergens the book features a special section on allergic diseases and allergens from tropical countries including such countries such as india sri lanka iran and south korea giving the book a global appeal the book is broken in the following sections epidemiology pathophysiology and diagnosis of allergy aerobiology and allergic diseases pollen allergy in the tropics and temperate regions allergy in children food allergy evaluation allergen immunotherapy and anti ige the book deals not only on basics of allergy and allergen immunotherapy but also discusses indoor environments and safety considerations of genetically modified food allergens the first of its kind volume from the

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indian subcontinent that caters to the needs of clinicians aerobiologists environmentalists and regulatory agencies as well the volume will be of immense interest for clinicians and patients of allergy as well as diagnostic and therapeutic management of allergy in tropics enlarged to describe more than a decade of advances in the immunotherapy of allergic diseases and asthma this third edition contains the most recent studies on the mechanisms manufacture and standardization of various allergen groups and their utilization in the treatment of allergic diseases containing 8 new chapters detailing various pharmacoe the sixth edition of lockey and ledford s allergens and allergen immunotherapy continues to provide comprehensive coverage of all types of allergens and allergen vaccines providing clinicians the essential information they need to accurately diagnose and manage all allergic conditions with new and updated chapters the sixth edition is the most up to date single resource on allergy and immunotherapy key features completely revised and updated detailed single source reference on allergy and immunotherapy reorganized to provide clinicians with essential information to make diagnoses and offer the best treatments the incidence of allergies is increasing worldwide beside the well established symptomatic treatments and subcutaneous immunotherapies formerly known as de or hyposensitization a new form of treatment local immunotherapy has been developed in recent years local immunotherapy though still controversially discussed promises to be a curative noninvasive and easily applicable treatment for allergies this volume summarizes the most current information on local immunotherapy compiled by internationally renowned specialists in the methodology section general aspects of local immunotherapy are presented including its history allergen resorption and biodistribution mechanisms of oral

tolerance and practical experiences the second section devoted to efficacy and safety presents findings from international placebo controlled studies on nasal and sublingual immunotherapies with different allergens and for different allergic conditions including asthma and eczema possible side effects are also discussed the concluding chapter critically evaluates the future prospects of this new method pointing out still unresolved issues such as the exact immunological mechanisms its long term effects or the standardization of dose and application intervals duration this state of the art account will be of particular interest to scientists working in the field of allergy clinical allergologists pharmacists and representatives from the pharmaceutical industry researchers and clinicians relate their experience with immunotherapy using antigens which has remained important throughout the enormous advances in immunology over the past 30 years among the topics are a historical perspective outdoor and indoor allergens venoms the preparation and administration of extracts and reactions and other adverse effects annotation copyrighted by book news inc portland or updated and substantially enlarged from the 1991 allergen immunotherapy to incorporate the many new therapies to treat allergic and immunological disease many developed by applying the methods of molecular biology presents the basic principles of immunotherapy with allergens as perhaps the best chance for producing someday a specific cure for allergic illness describes in detail the various allergen groups such as trees grasses weeds molds hymenoptera and other insect allergens mammalian allergens latex drugs and foods defines the biochemical and molecular characteristics by which allergens are manufactured and standardized for optimal use in diagnosis and immunotherapy including many that have now been cloned

and expressed as homogeneous recombinant antigens and proteins also presents the scientific data on immunotherapeutic procedures to treat various allergic diseases and how such therapy modifies the immunological process responsible for ige mediated disease annotation copyrighted by book news inc portland or researchers and clinicians relate their experience with immunotherapy using antigens which has remained important throughout the enormous advances in immunology over the past 30 years among the topics are a historical perspective outdoor and indoor allergens venoms the preparation and administr this issue of immunology and allergy clinics guest edited by drs linda s cox and anna h nowak wegrzyn is devoted to aeroallergen and food immunotherapy articles in this issue include history of ait and the future direction of crd molecular allergy mechanisms of aeroallergen allergen immunotherapy scit and slit mechanisms underlying induction of tolerance to foods biomarkers for allergen immunotherapy scit and slit novel delivery routes for allergy immunotherapy oral immunotherapy for food allergy slit and epit for food allergy the use of adjuvants for enhancing allergen immunotherapy efficacy allergen immunotherapy vaccine modification allergen immunotherapy outcome assessment in clinical trials and real life component resolved diagnosis can it make specific ait more specific baked milk and egg diets for milk and egg allergy management and allergen immunotherapy practical considerations adherence and strategies to improve this issue of immunology and allergy clinics guest edited by drs linda s cox and anna nowak wegrzyn is devoted to immunotherapy for aeroallergens foods and venoms articles in this issue include mechanism of immunotherapy focus scit and slit subcutaneous immunotherapy safety incidence per surveys and risk factors sublingual immunotherapy for other indications

venom large local latex atopic dermatitis and food questions and controversies regarding venom immunotherapy socioeconomics or comparative effectiveness of immunotherapy risk reduction in peanut immunotherapy food oit with adjuvants peanut oit state of the art evolution of immune responses in food immunotherapy safety of food oral immunotherapy what we know and what we need to learn novel vaccines for food allergy igg and ige in food allergy what s the connection and sublingual and patch immunotherapy for food allergy get a quick expert overview of the use of current and novel immunotherapies for use in the management and treatment of allergic reactions and diseases this concise resource by dr linda cox covers the full range of allergic disease including aeroallergens asthma food allergies atopic dermatitis and stinging insects with essential coverage of allergen immunotherapies in addition to key topics on emerging allergen associated immunomodulators this succinct comprehensive reference consolidates today s available information on this timely topic into a single convenient resource discusses timely topics such as food tolerance allergy and allergen unresponsiveness biologics for copd and pediatric asthma and adherence and pharmacoeconomics summarizes practical guidelines and recommendations for use of immunotherapies in clinical practice provides insight into the background and history of immunotherapies as a treatment for allergic disease includes developments on the horizon including alternative immunotherapy routes and modified allergens one hundred years have elapsed since specific allergen immunotherapy sit was first employed and found to be effective in the treatment of allergic respiratory diseases this cutting edge issue of immunology and allergy clinics offers a comprehensive review of this disease modifying treatment exploring its history status and potential future topics

covered include the mechanisms of subcutaneous allergen immunotherapy the mechanisms of sublingual immunotherapy optimizing efficacy of subcutaneous immunotherapy preparation of allergen immunotherapy extracts risk factors and subcutaneous immunotherapy safety accelerated schedules and reducing risk with premedication antihistamines omalizumab leucotriene antagonist safety and efficacy of sublingual immunotherapy for allergic respiratory disease and other indications monitoring clinical outcomes of specific immunotherapy monitoring immunotherapy response with immunological parameters socioeconomic and comparative effectiveness of immunotherapy oral desensitization for food hypersensitivity peptide and recombinant immunotherapy intralymphatic and epicutaneous allergen specific immunotherapy peptide and recombinant immunotherapy adjuvants and vector systems for allergy vaccines and future forms of immunotherapy enlarged to describe more than a decade of advances in the immunotherapy of allergic diseases and asthma this third edition contains the most recent studies on the mechanisms manufacture and standardization of various allergen groups and their utilization in the treatment of allergic diseases containing 8 new chapters detailing various pharmacoeconomic regulatory manufacturing administration and safety issues concerning new and emerging immunotherapy techniques modernized and updated allergens and allergen immunotherapy fourth edition discusses all major areas of allergens and immunotherapies pollens animal insect fungi food the manufacture and standardization of allergen vaccines the administration of vaccines the avoidance and treatment of adverse effects compiling the research of an influential team of investigators and scientists allergens and allergen immunotherapy is filled with quick reference charts tables and

indexes allergists immunologists and otolaryngologists will find this new streamlined fourth edition a great practical reference for on the go diagnosis treatment and management of allergies new to the fourth edition new focus on the most relevant information related to allergens and immunotherapy new concise chapters for easier use as a daily reference the new cutting edge method of sublingual swallow immunotherapy is fully discussed describes inhaled ingested and injected allergens allergen vaccines from formulation to manufacture to administration details the avoidance and treatment for adverse effects covers allergen vaccines from formulation to manufacture to administration allergies are a significant health issue yet few books exist on allergen tolerance of separation here the author classifies allergen tolerance breakdown in specific types according to the possibility that the autonomic breakdown of allergen tolerance in the unified airway depends on a deficit of pro tolerogenic neurotransmitters at the local level this paradigm which explains the pathogenesis of allergic disorders opens to new approaches to allergen specific immunotherapy ait while focusing on the new atopic disorders of the unified airway such as local allergic rhinitis dual allergic rhinitis local allergic asthma and local allergic conjunctivitis the work combines clinical examples of allergic diseases and their treatment with their immunological background the topics range from the specific immune derived maintenance of allergen tolerance and the role of the neuroimmune network in allergic inflammation to conventional atopic diseases and more particular issues of local atopic disorders in the unified airway oral tolerance and its breakdown and its translation in genitourinary aspects of allergic inflammation specific chapters are also devoted to allergen specific immunotherapy ait and anti allergy treatments thought for upper graduate

students it will also be a valued resource for allergy practitioners pulmonologists ent specialists pediatricians and translational researchers textbook of allergen tolerance includes classical didactic features such as abstracts keywords background notes discussion points and q a as well as 20 audio files text to speech for the visually impaired and 10 video to support the readers this is another attempt of intechopen to continue the dissemination of international knowledge and experience in the field of immunology the present book includes a number of modern concepts of specialists and experts in the field of immunotherapy covering the major topics and analyzing the history current stage and future ideas of application of modern immunomodulation it is always a benefit but also a compliment to gather a team of internationally distinguished authors and to motivate them to reveal their expertise for the benefit of medical science and health practice on behalf of all readers immunologists immunogeneticists biologists oncologists microbiologists virologists hematologists chemotherapists health care experts as well as students and medical specialists also on my personal behalf i would like to extend my gratitude and highest appreciation to intechopen for giving me the unique chance to be the editor of this exclusive book there is now considerable evidence that environmental and social changes including increased urbanisation industrialisation air pollution and large scale arable monoculture have combined to produce an increase in the incidence of various allergies it is currently estimated that more than 1 in 10 individuals are afflicted with some form of allergy which although generally not life threatening cause varying levels of discomfort or debilitation ige mediated hypersensitivities such as seasonal allergic rhinitis hayfever eczema urticaria and asthma consequently represent considerable medical and socio

economic problems to date the clinical management of allergy relies largely either on allergen avoidance and or long term use of pharmacological agents e g steroids and antihistamines however a mass of molecular and cellular immunobiological research has accumulated which provides further insights into the precise mechanisms determining ige production coupled with exciting possibilities for immunotherapeutic intervention allergic mechanisms and immunotherapeutic strategies has drawn together contributions from leading scientific and medical researchers in this field the topics discussed include the structural basis of the interaction of human ige with its receptors the role of recombinant dna methodologies in the analysis of common plant pollen and mite allergens and the modulation of the allergic cascade by t cells and cytokines in addition to summarising the most important discoveries in their respective areas the contributors have illustrated where their findings could be exploited for the development of immunotherapeutic strategies given that the incidence of allergic disease is increasing it seems likely that such strategies will have an important role in future clinical management of atopic patients we are celebrating this year the hundred years anniversary of allergen specific immunotherapy in 1911 leonard noon published his seminal work prophylactic inoculation against hay fever describing his attempts to achieve active immunity against grass pollen toxin by administering increasing doses of grass pollen extract before the grass pollen season to allergic patients although it was unknown at that time that allergy represents an immunological hypersensitivity disease the treatment was effective and many observations made by noon remained valid until today today allergen specific immunotherapy is well established as the only allergen specific and disease modifying treatment for ige mediated

allergies and has long lasting effects in fact more than 25 of the population suffer from ige mediated allergies which therefore represent a major health burden of our society particularly because untreated allergy often progresses to severe disabling forms of disease such as asthma and sometimes kills sensitized people through anaphylaxis one of the main attractions of research into hypersensitivity disorders is that it brings together scientists from a very broad range of disciplines as the most common human immunologic disorder it excites the interest and concern of clinicians geneticists basic and clinical immunologists molecular biologists biochemists and physiologists general agreement has been forged on the the pathophysiology of the disease and the mechanisms responsible for its maintenance but many areas remain as black boxes for which we have only hypotheses in 1992 vienna hosted an international symposium to consider the explosion of information being generated by the identification cloning and expression of common environmental allergens the present second international conference on the molecular biology of allergens and the atopic immune response again jointly organized and co chaired by professors alec schon winnipeg and dietrich kraft vienna provided an exciting opportunity for many leaders in this field to share data argue hypotheses and seek future opportunities to enlarge our understanding of these very complex diseases this symposium was co sponsored by the international union of immunological societies i u i s and the international association of allergology and clinical immunology it was held in the hospitable and comfortably elegant surroundings of quebec city reserve your copy now this two volume book is an outstanding reference source on all aspects of allergy and allergic diseases covering virtually every allergic condition from the immunological and molecular basis of

the allergic response to future trends in allergic disease prevention this new international editorial team a b kay jean bousquet pat holt and allen kaplan have completely revised and updated the text from both a scientific and clinical perspective references will continue to be added to the text until it goes to press making this the most up to date book available in the field this second edition consists of more than 1 800 pages contained within 98 chapters the price includes a fully searchable companion cd rom with the complete text and over 300 images from the book in full colour this massive reference thoroughly analyzes the mechanisms implicated in the pathophysiology of asthma such as t helper lymphocyte subsets and the consequences of various extrinsic and intrinsic factors and ige receptor expression reviewing current concepts in immunotherapeutic approaches for the treatment of this and other allergic diseases investigates the only category of treatment showing the potential to affect the natural course of allergic diseases and prevent the onset of asthma written by more than 80 internationally renowned pulmonary experts allergic disease specialists and basic researchers immunotherapy in asthma discusses the efficacy of new medications examines the role of metachromatic cells lymphocytes macrophages and other cell types present in bronchial biopsies presents basic topics such as the functional and phenotypic properties of th1 and th2 cells and their role in allergic disease and the regulation of ige mediated inflammatory responses addresses the deleterious effects of smoking and passive exposure to cigarette smoke in children and adults assesses differences and similarities between intrinsic and antigen induced asthma describes the effects of immunogenic peptides on the cytokine production profile of allergen specific cd4 t cells explains the different clinical aspects of allergic responses such as bronchial

hyperreactivity and eosinophilic inflammation of the airways reviews the genetic basis of allergy as well as risk factors for asthma explores oral sublingual local nasal and local bronchial routes for noninjective immunotherapies evaluates various agents with modulatory effects on normal and pathogenic immune responses focuses on strategies for the prevention of childhood asthma and more containing over 3000 references drawings and tables immunotherapy in asthma is an indispensable resource for pulmonologists immunologists allergists and medical school students in these disciplines respiratory allergic diseases also known as allergies such as rhinitis asthma and conjunctivitis affect more than 400 million people globally and are on the rise in industrialized countries allergies result from hypersensitivity to various allergens such as airborne particles food and venom mild forms of allergies can be treated with pharmacotherapy in the form of antihistamines or corticosteroids but moderate to severe allergic reactions require specific allergen immunotherapy sit sit involves administering gradually increasing doses of extracts of the causative allergen to which a patient is hypersensitive the aim of treatment is to reduce the clinical reactions of allergic patients alternative forms of sit for respiratory allergies include intralymphatic immunotherapy ilit oral immunotherapy oit local nasal immunotherapy Init and sublingual immunotherapy slit the purpose of this rapid response report is to review the evidence of comparative clinical effectiveness and cost effectiveness of subcutaneous or injectable immunotherapy scit sublingual immunotherapy slit and oral antihistamines in patients with allergies and to identify published evidence based guidelines on the use of scit or slit for allergies this fifth edition of the bestselling allergens and allergen immunotherapy is now completely updated and revised to include

subcutaneous sublingual and oral immunomodulator treatments of allergic disease the redesigned book continues to provide comprehensive coverage of all types of allergens and allergen vaccines giving clinicians the essential information they need to accurately make a diagnosis and offer the best possible treatments the fifth edition contains many new and revised chapters particularly in the fields of skin testing and extensive updates to the sublingual and oral immunotherapy chapters key features comprehensive covers a vast range of allergens and allergen immunotherapies providing all the necessary information in one volume synoptic supplies the essential information using figures and tables for instant access up to date includes the very latest information on subcutaneous sublingual and oral allergen immunotherapies to offer the best possible treatments reliable provides basic information that all clinicians need to know about cross reactivity among allergens and how it influences diagnosis and treatment as well as the key information necessary to carry out any form of immunotherapy in a safe and effective manner supplemental forms contains template forms that can be used by the clinician in daily practice the fifth edition of this classic text continues to be an essential touchstone for any practitioner who conducts skin tests and prescribes subcutaneous sublingual and oral immunotherapies allergy and allergen immunotherapy new mechanisms and strategies is a valuable and comprehensive book that covers allergy and causative allergens and provides diagnostic and therapeutic aspects as well with chapters from internationally recognized experts in the field the book provides a balanced approach to enumerating pollen allergens as well as allergy diagnosis and therapeutic management and safety assessment of genetically engineered food allergens the book features a special section on allergic diseases and allergens from

tropical countries including such countries such as india sri lanka iran and south korea giving the book a global appeal the book is broken in the following sections epidemiology pathophysiology and diagnosis of allergy aerobiology and allergic diseases pollen allergy in the tropics and temperate regions allergy in children food allergy evaluation allergen immunotherapy and anti ige the book deals not only on basics of allergy and allergen immunotherapy but also discusses indoor environments and safety considerations of genetically modified food allergens the first of its kind volume from the indian subcontinent that caters to the needs of clinicians aerobiologists environmentalists and regulatory agencies as well the volume will be of immense interest for clinicians and patients of allergy as well as diagnostic and therapeutic management of allergy in tropics perfect for clinicians in both primary and secondary care settings allergy essentials 2nd edition covers the information you need most in your daily practice with a strong emphasis on disease diagnosis and management in one concise convenient volume it covers all common allergies in children and adults offering authoritative content from the world s leading allergy experts in conjunction with primary care family practitioners for a practical balanced approach you ll find up to date information on everything from basic immunology and physiology to new medications new therapies and individualized treatment options allowing you to confidently integrate these changes into your practice offers a practical approach to evaluation differential diagnosis and treatment of allergic disorders focused specifically on what the non specialist needs to know for everyday practice includes new content on allergen specific immunotherapy as well as a new chapter on precision medicine covers the most recent allergy tests including blood tests and includes current discussions of

biologicals as therapeutics provides focused relevant information on basic immunology and physiology epidemiology and allergens begins each chapter with a handy summary of key concepts to help you quickly identify important information authored by the same internationally recognized experts that produce middleton s allergy the definitive text in the field an ideal resource for primary care providers who are increasingly seeing and treating patients with allergic conditions as well as allergists who need a concise and current practice reference it has not been yet clarified whether allergy and asthma are part of the same condition or they follow a parallel path this research topic aims to try and put some light in this parallel march going through crucial topics from prenatal events to later risk factors such as obesity and from basic immunology to immunotherapy both subcutaneous and sublingual we hope the readers can infer their own conclusions as what is first egg or chicken

Allergens and Allergen Immunotherapy

2014-02-19

this fifth edition of the bestselling allergens and allergen immunotherapy is now completely updated and revised to include subcutaneous sublingual and oral immunomodulator treatments of allergic disease the redesigned book continues to provide comprehensive coverage of all types of allergens and allergen vaccines giving clinicians the essential

Allergy and Allergen Immunotherapy

2017-03-16

allergy and allergen immunotherapy new mechanisms and strategies is a valuable and comprehensive book that covers allergy and causative allergens and provides diagnostic and therapeutic aspects as well with chapters from internationally recognized experts in the field the book provides a balanced approach to enumerating pollen allergens as well as allergy diagnosis and therapeutic management and safety assessment of genetically engineered food allergens the book features a special section on allergic diseases and allergens from tropical countries including such countries such as india sri lanka iran and south korea giving the book a global appeal the book is broken in the following sections epidemiology pathophysiology and diagnosis of allergy aerobiology and allergic diseases

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pollen allergy in the tropics and temperate regions allergy in children food allergy evaluation allergen immunotherapy and anti ige the book deals not only on basics of allergy and allergen immunotherapy but also discusses indoor environments and safety considerations of genetically modified food allergens the first of its kind volume from the indian subcontinent that caters to the needs of clinicians aerobiologists environmentalists and regulatory agencies as well the volume will be of immense interest for clinicians and patients of allergy as well as diagnostic and therapeutic management of allergy in tropics

Allergens and Allergen Immunotherapy

2004-03-10

enlarged to describe more than a decade of advances in the immunotherapy of allergic diseases and asthma this third edition contains the most recent studies on the mechanisms manufacture and standardization of various allergen groups and their utilization in the treatment of allergic diseases containing 8 new chapters detailing various pharmacoe

Allergens and Allergen Immunotherapy

2020-02-26

the sixth edition of lockey and ledford s allergens and allergen immunotherapy continues to

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provide comprehensive coverage of all types of allergens and allergen vaccines providing clinicians the essential information they need to accurately diagnose and manage all allergic conditions with new and updated chapters the sixth edition is the most up to date single resource on allergy and immunotherapy key features completely revised and updated detailed single source reference on allergy and immunotherapy reorganized to provide clinicians with essential information to make diagnoses and offer the best treatments

Local Immunotherapy in Allergy

2003-01-01

the incidence of allergies is increasing worldwide beside the well established symptomatic treatments and subcutaneous immunotherapies formerly known as de or hyposensitization a new form of treatment local immunotherapy has been developed in recent years local immunotherapy though still controversially discussed promises to be a curative noninvasive and easily applicable treatment for allergies this volume summarizes the most current information on local immunotherapy compiled by internationally renowned specialists in the methodology section general aspects of local immunotherapy are presented including its history allergen resorption and biodistribution mechanisms of oral tolerance and practical experiences the second section devoted to efficacy and safety presents findings from international placebo controlled studies on nasal and sublingual immunotherapies with

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different allergens and for different allergic conditions including asthma and eczema possible side effects are also discussed the concluding chapter critically evaluates the future prospects of this new method pointing out still unresolved issues such as the exact immunological mechanisms its long term effects or the standardization of dose and application intervals duration this state of the art account will be of particular interest to scientists working in the field of allergy clinical allergologists pharmacists and representatives from the pharmaceutical industry

Allergens and Allergen Immunotherapy, Second Edition

1998-09-30

researchers and clinicians relate their experience with immunotherapy using antigens which has remained important throughout the enormous advances in immunology over the past 30 years among the topics are a historical perspective outdoor and indoor allergens venoms the preparation and administration of extracts and reactions and other adverse effects annotation copyrighted by book news inc portland or

Allergens and Allergen Immunotherapy

1999

updated and substantially enlarged from the 1991 allergen immunotherapy to incorporate the many new therapies to treat allergic and immunological disease many developed by applying the methods of molecular biology presents the basic principles of immunotherapy with allergens as perhaps the best chance for producing someday a specific cure for allergic illness describes in detail the various allergen groups such as trees grasses weeds molds hymenoptera and other insect allergens mammalian allergens latex drugs and foods defines the biochemical and molecular characteristics by which allergens are manufactured and standardized for optimal use in diagnosis and immunotherapy including many that have now been cloned and expressed as homogeneous recombinant antigens and proteins also presents the scientific data on immunotherapeutic procedures to treat various allergic diseases and how such therapy modifies the immunological process responsible for ige mediated disease annotation copyrighted by book news inc portland or

Allergen Immunotherapy

1991

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Aeroallergen and Food Immunotherapy, An Issue of Immunology and Allergy Clinics of North America

2016-01-19

this issue of immunology and allergy clinics guest edited by drs linda s cox and anna h nowak wegrzyn is devoted to aeroallergen and food immunotherapy articles in this issue include history of ait and the future direction of crd molecular allergy mechanisms of aeroallergen allergen immunotherapy scit and slit mechanisms underlying induction of tolerance to foods biomarkers for allergen immunotherapy scit and slit novel delivery routes for allergy immunotherapy oral immunotherapy for food allergy slit and epit for food allergy the use of adjuvants for enhancing allergen immunotherapy efficacy allergen immunotherapy vaccine modification allergen immunotherapy outcome assessment in clinical trials and real life component resolved diagnosis can it make specific ait more specific baked milk and egg diets for milk and egg allergy management and allergen immunotherapy practical considerations adherence and strategies to improve

Allergens and Allergen Immunotherapy

1998

this issue of immunology and allergy clinics guest edited by drs linda s cox and anna nowak wegrzyn is devoted to immunotherapy for aeroallergens foods and venoms articles in this issue include mechanism of immunotherapy focus scit and slit subcutaneous immunotherapy safety incidence per surveys and risk factors sublingual immunotherapy for other indications venom large local latex atopic dermatitis and food questions and controversies regarding venom immunotherapy socioeconomics or comparative effectiveness of immunotherapy risk reduction in peanut immunotherapy food oit with adjuvants peanut oit state of the art evolution of immune responses in food immunotherapy safety of food oral immunotherapy what we know and what we need to learn novel vaccines for food allergy igg and ige in food allergy what s the connection and sublingual and patch immunotherapy for food allergy

Update in Immunotherapy for Aeroallergens, Foods, and Venoms, An Issue of Immunology and Allergy

Clinics of North America E-Book

2019-12-03

get a quick expert overview of the use of current and novel immunotherapies for use in the management and treatment of allergic reactions and diseases this concise resource by dr linda cox covers the full range of allergic disease including aeroallergens asthma food allergies atopic dermatitis and stinging insects with essential coverage of allergen immunotherapies in addition to key topics on emerging allergen associated immunomodulators this succinct comprehensive reference consolidates today s available information on this timely topic into a single convenient resource discusses timely topics such as food tolerance allergy and allergen unresponsiveness biologics for copd and pediatric asthma and adherence and pharmacoeconomics summarizes practical guidelines and recommendations for use of immunotherapies in clinical practice provides insight into the background and history of immunotherapies as a treatment for allergic disease includes developments on the horizon including alternative immunotherapy routes and modified allergens

Immunotherapies for Allergic Disease

2019-11-19

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one hundred years have elapsed since specific allergen immunotherapy was first employed and found to be effective in the treatment of allergic respiratory diseases this cutting edge issue of immunology and allergy clinics offers a comprehensive review of this disease modifying treatment exploring its history status and potential future topics covered include the mechanisms of subcutaneous allergen immunotherapy the mechanisms of sublingual immunotherapy optimizing efficacy of subcutaneous immunotherapy preparation of allergen immunotherapy extracts risk factors and subcutaneous immunotherapy safety accelerated schedules and reducing risk with premedication antihistamines omalizumab leucotriene antagonist safety and efficacy of sublingual immunotherapy for allergic respiratory disease and other indications monitoring clinical outcomes of specific immunotherapy monitoring immunotherapy response with immunological parameters socioeconomics and comparative effectiveness of immunotherapy oral desensitization for food hypersensitivity peptide and recombinant immunotherapy intralymphatic and epicutaneous allergen specific immunotherapy peptide and recombinant immunotherapy adjuvants and vector systems for allergy vaccines and future forms of immunotherapy

Allergen Immunotherapy

2011

enlarged to describe more than a decade of advances in the immunotherapy of allergic diseases and asthma this third edition contains the most recent studies on the mechanisms

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manufacture and standardization of various allergen groups and their utilization in the treatment of allergic diseases containing 8 new chapters detailing various pharmacoeconomic regulatory manufacturing administration and safety issues concerning new and emerging immunotherapy techniques

Allergens and Allergen Immunotherapy, Third Edition

2004-03-10

modernized and updated allergens and allergen immunotherapy fourth edition discusses all major areas of allergens and immunotherapies pollens animal insect fungi food the manufacture and standardization of allergen vaccines the administration of vaccines the avoidance and treatment of adverse effects compiling the research of an influential team of investigators and scientists allergens and allergen immunotherapy is filled with quick reference charts tables and indexes allergists immunologists and otolaryngologists will find this new streamlined fourth edition a great practical reference for on the go diagnosis treatment and management of allergies new to the fourth edition new focus on the most relevant information related to allergens and immunotherapy new concise chapters for easier use as a daily reference the new cutting edge method of sublingual swallow immunotherapy is fully discussed describes inhaled ingested and injected allergens allergen vaccines from formulation to manufacture to administration details the avoidance and treatment for adverse effects covers allergen vaccines from formulation to manufacture to

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administration

Allergens and Allergen Immunotherapy, Fourth Edition

2008-08-19

allergies are a significant health issue yet few books exist on allergen tolerance of separation here the author classifies allergen tolerance breakdown in specific types according to the possibility that the autonomic breakdown of allergen tolerance in the unified airway depends on a deficit of pro tolerogenic neurotransmitters at the local level this paradigm which explains the pathogenesis of allergic disorders opens to new approaches to allergen specific immunotherapy ait while focusing on the new atopic disorders of the unified airway such as local allergic rhinitis dual allergic rhinitis local allergic asthma and local allergic conjunctivitis the work combines clinical examples of allergic diseases and their treatment with their immunological background the topics range from the specific immune derived maintenance of allergen tolerance and the role of the neuroimmune network in allergic inflammation to conventional atopic diseases and more particular issues of local atopic disorders in the unified airway oral tolerance and its breakdown and its translation in genitourinary aspects of allergic inflammation specific chapters are also devoted to allergen specific immunotherapy ait and anti allergy

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treatments thought for upper graduate students it will also be a valued resource for allergy practitioners pulmonologists ent specialists pediatricians and translational researchers textbook of allergen tolerance includes classical didactic features such as abstracts keywords background notes discussion points and q a as well as 20 audio files text to speech for the visually impaired and 10 video to support the readers

Textbook of Allergen Tolerance

2022-09-01

this is another attempt of intechopen to continue the dissemination of international knowledge and experience in the field of immunology the present book includes a number of modern concepts of specialists and experts in the field of immunotherapy covering the major topics and analyzing the history current stage and future ideas of application of modern immunomodulation it is always a benefit but also a compliment to gather a team of internationally distinguished authors and to motivate them to reveal their expertise for the benefit of medical science and health practice on behalf of all readers immunologists immunogeneticists biologists oncologists microbiologists virologists hematologists chemotherapists health care experts as well as students and medical specialists also on my personal behalf i would like to extend my gratitude and highest appreciation to intechopen for giving me the unique chance to be the editor of this exclusive book

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Allergen Immunotherapy

2003

there is now considerable evidence that environmental and social changes including increased urbanisation industrialisation air pollution and large scale arable monoculture have combined to produce an increase in the incidence of various allergies it is currently estimated that more than 1 in 10 individuals are afflicted with some form of allergy which although generally not life threatening cause varying levels of discomfort or debilitation ige mediated hypersensitivities such as seasonal allergic rhinitis hayfever eczema urticaria and asthma consequently represent considerable medical and socio economic problems to date the clinical management of allergy relies largely either on allergen avoidance and or long term use of pharmacological agents e g steroids and antihistamines however a mass of molecular and cellular immunobiological research has accumulated which provides further insights into the precise mechanisms determining ige production coupled with exciting possibilities for immunotherapeutic intervention allergic mechanisms and immunotherapeutic strategies has drawn together contributions from leading scientific and medical researchers in this field the topics discussed include the structural basis of the interaction of human ige with its receptors the role of recombinant dna methodologies in the analysis of common plant pollen and mite allergens and the modulation of the allergic cascade by t cells and cytokines in addition to summarising the most important discoveries in their respective areas the contributors have illustrated where their findings could be

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exploited for the development of immunotherapeutic strategies given that the incidence of allergic disease is increasing it seems likely that such strategies will have an important role in future clinical management of atopic patients

Position Paper on Allergen Immunotherapy

1993

we are celebrating this year the hundred years anniversary of allergen specific immunotherapy in 1911 leonard noon published his seminal work prophylactic inoculation against hay fever describing his attempts to achieve active immunity against grass pollen toxin by administering increasing doses of grass pollen extract before the grass pollen season to allergic patients although it was unknown at that time that allergy represents an immunological hypersensitivity disease the treatment was effective and many observations made by noon remained valid until today today allergen specific immunotherapy is well established as the only allergen specific and disease modifying treatment for ige mediated allergies and has long lasting effects in fact more than 25 of the population suffer from ige mediated allergies which therefore represent a major health burden of our society particularly because untreated allergy often progresses to severe disabling forms of disease such as asthma and sometimes kills sensitized people through anaphylaxis

Allergen Immunotherapy

2011

one of the main attractions of research into hypersensitivity disorders is that it brings together scientists from a very broad range of disciplines as the most common human immunologic disorder it excites the interest and concern of clinicians geneticists basic and clinical immunologists molecular biologists biochemists and physiologists general agreement has been forged on the the pathophysiology of the disease and the mechanisms responsible for its maintenance but many areas remain as black boxes for which we have only hypotheses in 1992 vienna hosted an international symposium to consider the explosion of information being generated by the identification cloning and expression of common environmental allergens the present second international conference on the molecular biology of allergens and the atopic immune response again jointly organized and co chaired by professors alec schon winnipeg and dietrich kraft vienna provided an exciting opportunity for many leaders in this field to share data argue hypotheses and seek future opportunities to enlarge our understanding of these very complex diseases this symposium was co sponsored by the international union of immunological societies i u i s and the international association of allergology and clinical immunology it was held in the hospitable and comfortably elegant surroundings of quebec city

Allergen Immunotherapy

2007

reserve your copy now this two volume book is an outstanding reference source on all aspects of allergy and allergic diseases covering virtually every allergic condition from the immunological and molecular basis of the allergic response to future trends in allergic disease prevention this new international editorial team a b kay jean bousquet pat holt and allen kaplan have completely revised and updated the text from both a scientific and clinical perspective references will continue to be added to the text until it goes to press making this the most up to date book available in the field this second edition consists of more than 1 800 pages contained within 98 chapters the price includes a fully searchable companion cd rom with the complete text and over 300 images from the book in full colour

Immunotherapy

2017-04-26

this massive reference thoroughly analyzes the mechanisms implicated in the pathophysiology of asthma such as t helper lymphocyte subsets and the consequences of various extrinsic and intrinsic factors and ige receptor expression reviewing current concepts in immunotherapeutic approaches for the treatment of this and other allergic

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diseases investigates the only category of treatment showing the potential to affect the natural course of allergic diseases and prevent the onset of asthma written by more than 80 internationally renowned pulmonary experts allergic disease specialists and basic researchers immunotherapy in asthma discusses the efficacy of new medications examines the role of metachromatic cells lymphocytes macrophages and other cell types present in bronchial biopsies presents basic topics such as the functional and phenotypic properties of th1 and th2 cells and their role in allergic disease and the regulation of ige mediated inflammatory responses addresses the deleterious effects of smoking and passive exposure to cigarette smoke in children and adults assesses differences and similarities between intrinsic and antigen induced asthma describes the effects of immunogenic peptides on the cytokine production profile of allergen specific cd4 t cells explains the different clinical aspects of allergic responses such as bronchial hyperreactivity and eosinophilic inflammation of the airways reviews the genetic basis of allergy as well as risk factors for asthma explores oral sublingual local nasal and local bronchial routes for noninjective immunotherapies evaluates various agents with modulatory effects on normal and pathogenic immune responses focuses on strategies for the prevention of childhood asthma and more containing over 3000 references drawings and tables immunotherapy in asthma is an indispensable resource for pulmonologists immunologists allergists and medical school students in these disciplines

Position Paper on Allergen Immunotherapy

1993

respiratory allergic diseases also known as allergies such as rhinitis asthma and conjunctivitis affect more than 400 million people globally and are on the rise in industrialized countries allergies result from hypersensitivity to various allergens such as airborne particles food and venom mild forms of allergies can be treated with pharmacotherapy in the form of antihistamines or corticosteroids but moderate to severe allergic reactions require specific allergen immunotherapy sit sit involves administering gradually increasing doses of extracts of the causative allergen to which a patient is hypersensitive the aim of treatment is to reduce the clinical reactions of allergic patients alternative forms of sit for respiratory allergies include intralymphatic immunotherapy ilit oral immunotherapy oit local nasal immunotherapy linit and sublingual immunotherapy slit the purpose of this rapid response report is to review the evidence of comparative clinical effectiveness and cost effectiveness of subcutaneous or injectable immunotherapy scit sublingual immunotherapy slit and oral antihistamines in patients with allergies and to identify published evidence based guidelines on the use of scit or slit for allergies

Allergic Mechanisms and Immunotherapeutic Strategies

1997-05-05

this fifth edition of the bestselling allergens and allergen immunotherapy is now completely updated and revised to include subcutaneous sublingual and oral immunomodulator treatments of allergic disease the redesigned book continues to provide comprehensive coverage of all types of allergens and allergen vaccines giving clinicians the essential information they need to accurately make a diagnosis and offer the best possible treatments the fifth edition contains many new and revised chapters particularly in the fields of skin testing and extensive updates to the sublingual and oral immunotherapy chapters key features comprehensive covers a vast range of allergens and allergen immunotherapies providing all the necessary information in one volume synoptic supplies the essential information using figures and tables for instant access up to date includes the very latest information on subcutaneous sublingual and oral allergen immunotherapies to offer the best possible treatments reliable provides basic information that all clinicians need to know about cross reactivity among allergens and how it influences diagnosis and treatment as well as the key information necessary to carry out any form of immunotherapy in a safe and effective manner supplemental forms contains template forms that can be used by the clinician in daily practice the fifth edition of this classic text

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continues to be an essential touchstone for any practitioner who conducts skin tests and prescribes subcutaneous sublingual and oral immunotherapies

Vaccines against Allergies

2013-11-25

allergy and allergen immunotherapy new mechanisms and strategies is a valuable and comprehensive book that covers allergy and causative allergens and provides diagnostic and therapeutic aspects as well with chapters from internationally recognized experts in the field the book provides a balanced approach to enumerating pollen allergens as well as allergy diagnosis and therapeutic management and safety assessment of genetically engineered food allergens the book features a special section on allergic diseases and allergens from tropical countries including such countries such as india sri lanka iran and south korea giving the book a global appeal the book is broken in the following sections epidemiology pathophysiology and diagnosis of allergy aerobiology and allergic diseases pollen allergy in the tropics and temperate regions allergy in children food allergy evaluation allergen immunotherapy and anti ige the book deals not only on basics of allergy and allergen immunotherapy but also discusses indoor environments and safety considerations of genetically modified food allergens the first of its kind volume from the indian subcontinent that caters to the needs of clinicians aerobiologists environmentalists and regulatory agencies as well the volume will be of immense interest for clinicians and

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patients of allergy as well as diagnostic and therapeutic management of allergy in tropics

New Horizons in Allergy Immunotherapy

2012-10-23

perfect for clinicians in both primary and secondary care settings allergy essentials 2nd edition covers the information you need most in your daily practice with a strong emphasis on disease diagnosis and management in one concise convenient volume it covers all common allergies in children and adults offering authoritative content from the world s leading allergy experts in conjunction with primary care family practitioners for a practical balanced approach you ll find up to date information on everything from basic immunology and physiology to new medications new therapies and individualized treatment options allowing you to confidently integrate these changes into your practice offers a practical approach to evaluation differential diagnosis and treatment of allergic disorders focused specifically on what the non specialist needs to know for everyday practice includes new content on allergen specific immunotherapy as well as a new chapter on precision medicine covers the most recent allergy tests including blood tests and includes current discussions of biologicals as therapeutics provides focused relevant information on basic immunology and physiology epidemiology and allergens begins each chapter with a handy summary of key concepts to help you quickly identify important information authored by the same internationally recognized experts that produce middleton s allergy the definitive text in the

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field an ideal resource for primary care providers who are increasingly seeing and treating patients with allergic conditions as well as allergists who need a concise and current practice reference

Allergen Immunotherapy Up to Date '90

1991

it has not been yet clarified whether allergy and asthma are part of the same condition or they follow a parallel path this research topic aims to try and put some light in this parallel march going through crucial topics from prenatal events to later risk factors such as obesity and from basic immunology to immunotherapy both subcutaneous and sublingual we hope the readers can infer their own conclusions as what is first egg or chicken

WHO Position Paper

1998

The effect of allergen immunotherapy on antiviral immunity in patients with allergic asthma

2008-10-13

Allergy and Allergic Diseases, 2 Volume Set

2012

Immune Regulation by Allergen Immunotherapy

1999-08-24

Immunotherapy in Asthma

1998

WHO Position Paper Allergen Immunotherapy

2016

Sublingual and Injectable Customized Allergy Immunotherapy

2006

Allergen Immunotherapy for Medicare Beneficiaries

2017

Mite Allergen Immunotherapy Influences Epigenetic Modifications of Peripheral Blood Mononuclear Cell in

Children with Allergic Asthma

2014-02-19

Allergens and Allergen Immunotherapy

2017-03-16

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2018-06

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Allergy Essentials,E-Book

2018-07-24

The Parallel March of Asthma and Allergy in Childhood: A Multi-Perspective Approach

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