

## **Part I Therapy and Prevention of Allergies**

<b>Allergen Avoidance and Prevention of Allergy</b> .....	3
Syed Hasan Arshad	
<b>Pharmacotherapy of Allergic Rhinitis</b> .....	19
Jeffrey M. Lehman and Michael S. Blaiss	
<b>Antihistamines in Rhinitis and Asthma</b> .....	37
Todor A. Popov	
<b>Antiallergic and Vasoactive Drugs for Allergic Rhinitis</b> .....	51
Friedrich Horak	
<b>Antileukotrienes in Asthma and Rhinitis</b> .....	63
Anthony Peter Sampson	
<b>Mechanisms of Action of <math>\beta_2</math> Adrenoceptor Agonists</b> .....	91
Ian P. Hall and Ian Sayers	
<b>Alkylxanthines and Phosphodiesterase 4 Inhibitors for Allergic Diseases</b> .....	105
Mark A. Giembycz	
<b>Glucocorticoid Insensitive Asthma</b> .....	133
Sally E. Wenzel	
<b>Recalcitrant Asthma</b> .....	145
Sharmilee M. Nyenhuis and William W. Busse	
<b>Mechanisms and Management of Exercise-Induced Bronchoconstriction</b> .....	171
John D. Brannan and Paul M. O'Byrne	

<b>Use of Theophylline and Sodium Cromoglycate in Adult Asthma .....</b>	<b>187</b>
Hironori Sagara, Kenya Kouyama, Takeshi Fukuda, and Sohei Makino	
<b>New Insights into Allergen-Specific Immunotherapy in Rhinitis and Asthma .....</b>	<b>195</b>
Giovanni Passalacqua and Giorgio Walter Canonica	
<b>Sublingual Immunotherapy in Allergic Rhinitis and Asthma .....</b>	<b>217</b>
Paul Potter	
<b>Anti-IgE in Allergic Airway Diseases: Indications and Applications .....</b>	<b>227</b>
Jennifer Preston DeMore and William W. Busse	
<b>Drug Delivery Devices and Propellants .....</b>	<b>245</b>
Bruce K. Rubin and James B. Fink	
<b>Update on the Management of Atopic Dermatitis/Eczema .....</b>	<b>259</b>
Sherrif F. Ibrahim, Anna De Benedetto, and Lisa A. Beck	
<b>Immunosuppressants as Treatment for Atopic Dermatitis .....</b>	<b>291</b>
Bartłomiej Kwiek and Natalija Novak	
<b>Management of Anaphylaxis .....</b>	<b>311</b>
Phillip Lieberman	
<b>Anaphylaxis: Are Regulatory T Cells the Target of Venom Immunotherapy? .....</b>	<b>325</b>
Marek Jutel, Mübeccel Akdis, Kurt Blaser, and Cezmi A. Akdis	
<b>Food Allergy: Opportunities and Challenges in the Clinical Practice of Allergy and Immunology .....</b>	<b>335</b>
Julie Wang and Hugh A. Sampson	
<b>Early Immunological Influences on Asthma Development: Opportunities for Early Intervention .....</b>	<b>347</b>
Patrick G. Holt	
<b>Asthma and Allergy in Childhood: Prediction and Early Diagnosis .....</b>	<b>365</b>
Karin C. Lødrup Carlsen and Göran Wennergren	
<b>Early Interventions in Allergic Diseases .....</b>	<b>379</b>
L. Karla Arruda, Dirceu Solé, and Charles K. Naspitz	

<b>Birth Cohort Studies for the Prevention of Allergy: New Perspectives—Where Do We Go from Now? .....</b>	<b>397</b>
Mascha Rochat and Erika von Mutius	
<b>Novel Immunomodulatory Strategies for the Prevention of Atopy and Asthma .....</b>	<b>417</b>
Susan L. Prescott	
<b>Recombinant Allergens for Therapy and Prevention: Molecular Design and Delivery of Allergy Vaccines .....</b>	<b>433</b>
Shyam S. Mohapatra and Shawna A. Shirley	
<b>Prevention of Allergic Diseases .....</b>	<b>447</b>
Leena von Hertzen and Tari Haahtela	
<b>Emerging Nonsteroidal Anti-Inflammatory Therapies Targeting Specific Mechanisms in Asthma and Allergy .....</b>	<b>465</b>
Leif Bjermer and Zuzana Diamant	
<b>Part II Special Considerations in Children, Elderly and Pregnancy</b>	
<b>Asthma and Rhinitis in Pregnancy .....</b>	<b>485</b>
Vanessa E. Murphy and Peter G. Gibson	
<b>Asthma in the Elderly .....</b>	<b>499</b>
Charles E. Reed	
<b>The Natural History of Childhood Asthma .....</b>	<b>511</b>
Miles Weinberger and Dirceu Solé	
<b>The Wheezing Infant and Young Child .....</b>	<b>531</b>
Peter J. Helms	
<b>Acute Severe Asthma in Children .....</b>	<b>543</b>
Barbara P. Yawn	
<b>Best Estimates of Asthma Control in Children .....</b>	<b>565</b>
Megan E. Partridge and William K. Dolen	
<b>Risk-Benefit of Asthma Therapy in Children: Topical Corticosteroids .....</b>	<b>577</b>
Hugo P. Van Bever, Lynette P. Shek, and Daniel Y.T. Goh	
<b>Risk-Benefit of Asthma Therapy in Children: Nonsteroidal Anti-Inflammatory Drugs .....</b>	<b>593</b>
James P. Kemp	

<b>The Role of Influenza Vaccination in Asthmatic Children</b> .....	611
Herman J. Bueving and Johannes C. van der Wouden	
<b>Treatment of Infants with Atopic Dermatitis</b> .....	621
Ulrich Wahn	
<b>Diagnosing Food Allergy in Children</b> .....	635
Dan Atkins	
<b>Diagnosis and Treatment of Latex Allergy</b> .....	653
Kevin J. Kelly and Brian T. Kelly	
<b>New Aspects of Peanut and Tree Nut Allergy</b> .....	675
Corinne A. Keet and Robert A. Wood	
<b>Allergic Fungal Sinusitis: Controversy and Evolution of Understanding with Therapeutic Implications</b> .....	695
Berrylin J. Ferguson and Arpita Mehta	
<b>Immunomodulatory Role of Bacillus Calmette-Guérin in the Prevention and Therapy of Allergy and Asthma</b> .....	713
Toluwalope O. Makinde, Againdra K. Bewtra, and Devendra K. Agrawal	
<b>Use of Theophylline and Sodium Cromoglycate in Pediatric Asthma</b> .....	727
Akihiro Morikawa	
<b>Antibody Deficiency Syndromes (Including Diagnosis and Treatment)</b> .....	737
Kenneth Paris, Lily Leiva, and Ricardo U. Sorensen	
<b>Index</b> .....	755