Contents, Vol. 92, 1990

No. 1
Original Paper
Comparison of Conidial and Mycelial Allergens of Alternaria alternata
Paris, S.; Fitting, C.; Latgé, J.P.; Herman, D.; Guinnepain, M.T.; David, B.

Serum Antibodies Reactive with Saccharomyces cerevisiae in Inflammatory Bowel Disease: Is IgA Antibody a Marker for Crohn’s Disease?
Barnes, R.M.R.; Allan, S.; Taylor-Robinson, C.H.; Finn, R.; Johnson, P.M.

Nedocromil Sodium Prevents the Release of 15-Hydroxyeicosatetraenoic Acid from Human Bronchial Epithelial Cells Exposed to Toluene Diisocyanate in vitro (With 1 color plate)
Mattoli, S.; Mezzetti, M.; Fasoli, A.; Patalano, F.; Allegra, L.

Preparation of Allergen Extracts from the Green Alga Chlorella. Studies of Growth Variation, Batch Variation, and Partial Purification
Tiberg, E.; Rolfsen, W.; Einarsson, R.

Antigenic Analysis of Group I House Dust Mite Allergens Using Random Fragments of Der p I Expressed by Recombinant DNA Libraries
Greene, W.K.; Chua, K.Y.; Stewart, G.A.; Thomas, W.R.

Anti-Inflammatory Effects of Onions: Inhibition of Chemotaxis of Human Polymorphonuclear Leukocytes by Thiosulfimates and Cepaenes
Dorsch, W.; Schneider, E.; Bayer, T.; Breu, W.; Wagner, H.

Isolation and Characterization of Rat Carcinoembryonic Antigen
Kim, J.G.; Abeyounis, C.J.

Immunohistological Analysis of Nerve Granulomas in Neuritic Leprosy
Narayanan, R.B.; Girdhar, A.; Girdhar, B.K.; Malaviya, G.N.

Mouse IgE Response against Exoantigens of Trypanosoma cruzi
Gruppi, A.; Pistoresi-Palencia, M.C.; Basso, B.; Vottero-Cima, E.

Glomerular CR1 Express in situ Cofactor Activity for Degradation of C3b
Vedeler, C.A.; Matre, R.; Iversen, B.M.
Importance of Mast-Cell-Derived Eosinophil Chemotactic Factor A on Granuloma Formation in Murine Schistosomi-asisjaponica: Evaluation Using Mast-Cell-Deficient W/Wv Mice
Owashashi, M.; Horii, Y.; Ikeda, T.; Maruyama, H.; Abe, T.; Nawa, Y  64

Antiallergic and Anti-Inflammatory Action of Tioxamast in Rats. I. Antiallergic Activity in vivo and in vitro
Tarayre, J.P.; Aliaga, M.; Barbara, M.; Tisseyre, N.; Caillol, V; Delhon, A.; Bruniquel, F.; N’Guyen, X.; Puech, L.; Tisné-Versailles, J.; Couzinier, J.P  69

Antiallergic and Anti-Inflammatory Action of Tioxamast in Rats. II. Anti-Inflammatory Action in vivo
Tarayre, J.P.; Aliaga, M.; Barbara, M.; Tisseyre, N.; Caillol, V; Delhon, A.; Bruniquel, F.; N’Guyen, X.; Puech, L.; Tisné-Versailles, J.; Couzinier, J.P  77

Relationship between LTC4 Generation of Hypodense Eosino-phil and Bronchial Hyperreactivity in Asthmatic Children
Schauer, U.; Daume, U.; Müller, R.; Riedel, F.; Gemsa, D.; Rieger, C.H.L  82


Short Communications
CD 1-Positive Epidermal Langerhans Cells in Regressed Tuberculoid and Lepromatous Leprosy Lesions
Narayanan, R.B.; Girdhar, A.; Girdhar, B.K  94

Contact Hypersensitivity Induces Plasma Interleukin 6
Kimber, I.; Cumberbatch, M.; Humphreys, M.; Hopkins, S.J. 97 Interleukin-4 Gene Expression in High and Low IgE Responder Mice
Mori, A.; Yamamoto, K.; Suco, M.; Watanabe, N.; Ito, M.; Miyamoto, T.; Okudaira, H  100

Remarkable Increases of Salivary IgE Levels in Allergic Syndromes
Negretti, F.; Casetta, P  103

S. Karger · Medical and Scientific Publishers
Basel · München · Paris · London · New York · New Delhi · Bangkok · Singapore · Tokyo · Sydney

Drug Dosage
The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

All rights reserved.
Contents

No. 3

Original Paper

1 A Method for Evaluating Anti-Allergic Drugs by Simultaneously Induced Passive Cutaneous Anaphylaxis and Mediator Cutaneous Reactions

IgG4 Antibodies in Hay Fever Patients. Difference in IgG4 Response to Tree Pollen and Grass Pollen Allergens
Chernokhvostova, E.V.; Kotova, T.S.; German, G.P.; Atovmian, O.I 217

IgE Suppressor Factor Induced by Phytohemagglutinin
Astorquiza, M.I.; Cisternas, C 223


Histochemical Heterogeneity of Human Mast Cells: Disease-Related Differences in Mast Cell Subsets Recovered by Bronchoalveolar Lavage
Walls, A.F.; Roberts, J.A.; Godfrey, R.C.; Church, M.K.; Holgate, S.T 233

Effect of Oral or Parenteral Sensitization to Cow’s Milk on Mucosal Permeability in Guinea Pigs
Heyman, M.; Andriantsao, M.; Crain-Denoyelle, A.M.; Desjeux, J.F 242

Elevated Concentrations of Salivary Secretory Immunoglobulin A Anti-Cow’s Milk Protein in Newborns at Risk of Allergy
Renz, H.; Vestner, R.; Petzoldt, S.; Brehler, C; Prinz, H.; Rieger, C.H.L 247

Hyposensitization Therapy with Whole Pollen Extract or Purified Allergens Monitored by Immunoblotting
Jarolim, E.; Matthiesen, F.; Stahl Skov, P.; Tejkl, M.; Oesterballe, O.; Poulsen, L.K 254

Protective Milk O Antibodies Induced in Guinea Pigs by Parenteral Shigella Ribosomal Vaccine
Chernokhvostova, E.V.; Lyubinskaya, M.M.; Belkin, Z.P.; Levenson, V.I 265

Induction of Suppressor Cell Activity in Normal Peripheral Blood Mononuclear Cells by Sera from Predialytic Uremic Patients
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influence of IgE Fragments on IgE Determination</td>
<td>Modai, D.; Berman, S.; Weissgarten, J.; Klinovsky, E.; Cohn, M.; Averbukh, Z</td>
<td>268</td>
</tr>
<tr>
<td>Mast Cell Activation in Sterile Bladder and Prostate Inflammation</td>
<td>Vassella, C.C.; de Week, A.L.; Stadler, B.M</td>
<td>272</td>
</tr>
<tr>
<td>Mast Cell Activation in Sterile Bladder and Prostate Inflammation</td>
<td>Theoharides, T.C.; Flaris, N.; Cronin, C.T.; Ucci, A.; Meares, E</td>
<td>281</td>
</tr>
<tr>
<td>Observations on NK Cells, K Cells and on Their Function a Long Time</td>
<td>Theoharides, T.C.; Flaris, N.; Cronin, C.T.; Ucci, A.; Meares, E</td>
<td>287</td>
</tr>
<tr>
<td>Immunoglobulin E Responses and Lung Pathology Resulting from Aerosol</td>
<td>Gershwin, L.J.; Dungworth, D.L.; Himes, S.R.; Frieberts-hauser, K.E</td>
<td>293</td>
</tr>
<tr>
<td>Immunoglobulin E Responses and Lung Pathology Resulting from Aerosol</td>
<td>Theoharides, T.C.; Flaris, N.; Cronin, C.T.; Ucci, A.; Meares, E</td>
<td>293</td>
</tr>
<tr>
<td>Immunochemical Characterization of Five Different Horse Epithelium</td>
<td>Franke, D.; Maasch, H.J.; Wahl, R.; Schultze-Werninghaus, G.; Brettig, H</td>
<td>309</td>
</tr>
<tr>
<td>Seasonal Variation of the Conjunctival Provocation Test, Total</td>
<td>Möller, C; Elsayed, S</td>
<td>306</td>
</tr>
<tr>
<td>Selective Alterations in Natural Killer Cell Subsets in Patients with</td>
<td>Deng, J.-S.; Lee, P.Y.-P.; Fratto, J.L</td>
<td>323</td>
</tr>
<tr>
<td>Significance and Specificity of Anti-SSA/Ro Antibody in Patients with</td>
<td>Announcement</td>
<td>328</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>Bujanowski-Weber, J.; Knöller, I.; Pfeil, T.; Luther, H.; Altmeyer, P.; König, W</td>
<td>113</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>Presence of IgA and IgG Antigliadin Antibodies in Healthy Adults as Measured</td>
<td>119</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>In vitro Immunosuppressive and Anti-Phagocytic Properties of the Exopolysaccharide of Mucoid Strains of Pseudomonas aeruginosa</td>
<td>105</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>Correlation of sCD23 Release and Immunoglobulin (E, A, G, M) Synthesis by Peripheral Blood Lymphocytes of Atopic Patients</td>
<td>105</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>Presence of IgA and IgG Antigliadin Antibodies in Healthy Adults as Measured by Micro-ELISA. Effect of Various Cutoff Levels on Specificity and Sensitivity When Diagnosing Coeliac Disease Grodzinsky, E.; Hed, J.; Liedén, G.; Sjögren, F.; Strom, M.</td>
<td>119</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>Seasonal Variation of the Conjunctival Provocation Test, Total</td>
<td>306</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>Announcement</td>
<td>328</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>Bujanowski-Weber, J.; Knöller, I.; Pfeil, T.; Luther, H.; Altmeyer, P.; König, W</td>
<td>113</td>
</tr>
<tr>
<td>Assay Mechanism of Anti-SSA/Ro Antibody in Patients with Bullous</td>
<td>Presence of IgA and IgG Antigliadin Antibodies in Healthy Adults as Measured by Micro-ELISA. Effect of Various Cutoff Levels on Specificity and Sensitivity When Diagnosing Coeliac Disease Grodzinsky, E.; Hed, J.; Liedén, G.; Sjögren, F.; Strom, M.</td>
<td>119</td>
</tr>
</tbody>
</table>
Endotoxin-Induced Auto-Immunity in Mice. III. Comparison of Different Endotoxin Preparations Bloembergen, P.; Hofhuis, F.M.A.; Hoi, C; van Dijk, H. 124
Human IgE, IgG and IgA Antibody Responses to T101, a Murine Monoclonal Antibody against Human Lymphocytes: Implications for Pathogenesis, Risk and Avoidance of Adverse Immunologic Reactions Dykewicz, M.S.; Cranberg, J.A.; Patterson, R.; Rosen, S.T.; Shaughnessy, M.A.; Zimmer, A.M 131
Bronchial Responsiveness to Mite Allergen in Atopic Dermatitis without Asthma Dohi, M.; Okudaira, H.; Sugiyama, H.; Tsurumachi, K.; Suko, M.; Nakagawa, T.; Morita, Y.; Ito, K.; Nakayama, H.; Miyamoto, T 138
Inhibition of 5-HETE, LTB4 and LTC4 Formation by Azelas-tine in Rat Mixed Peritoneal Cells Chand, N.; Pillar, J.; Nolan, K.; Diamantis, W.; Sofia, R.D. 143
Subepithelial Hydrostatic Pressure May Regulate Plasma Exudation across the Mucosa Perrson, C.G.A.; Erjefält, I.; Gustafsson, B.; Luts, A. . . . 148
Shared Allergenic Activity in Asian (Blattella asahinai), German (Blattella germanica), American (Periplaneta america-na), and Oriental (Blatta orientalis) Cockroach Species Helm, R.M.; Squillace, D.L.; Jones, R.T.; Brenner, R.J . 154
K-Channel Blocking Drugs Induce Histamine Release and 45Ca Uptake in Isolated Mast Cells Eleno, N.; Botana, L.; Espinosa, J 162
IgE-Mediated Allergic Reactions to Potatoes Wahl, R.; Lau, S.; Maasch, H.J.; Wahn, U 168
Obtention of Monoclonal Antibodies against Human IgG4 using Two Different Immunization Strategies: Development of a Biotin-Based ELISA for IgG4 Quantitation Jimeno Nogales, L.; Carreira, J.; Lombardero, M 175
Gut Hypersensitivity Reactions in Guinea Pigs following Vaccination or Infection with Trichostongyulus colubriformis Ward, C.W.; Wagland, B.M 183
Characteristics of MTT as an Indicator of Viability and Respiratory Burst Activity of Human Neutrophils Pruett, S.B.; Loftis, A.Y 189
Identification of Soybean Allergens by Immunoblotting with Sera from Soy-Allergic Adults Herian, A.M.; Taylor, S.L.; Bush, R.K 193
Elevation of Neutrophil Chemotactic Activity in the Human Serum and the Decreased Number of Neutrophils after Platelet-Activating Factor Inhalation Miyagawa, H.; Nabe, M.; Hopp, R.J.; Agrawal, D.K.; Bewtra, A.K.; Townley, R.G 199
Histamine Release Induced by Radiographic Contrast Media. Comparison between Pulmonary and Peritoneal Mast Cells Derived from Normotensive and Spontaneously Hypertensive Rats Amon, E.U.; Ennis, M.; Lorenz, W.; Schnabel, M.; Schneider, C 203
VI
Contents
No. 4
Original Paper
Substance P-Induced Histamine Release from Human Basophils, Skin and Lung Fragments: Effect of Nedocromil Sodium and Theophylline
Louis, R.E.; Radermecker, M.F 329
Cytokine Control of Peripheral-Blood CD23 Expression and sCD23 Release: Differential Regulation by IL-2 and IL-4
Fischer, A.; Pfiehl, Th.; König, W 334
Manipulation of Macrophage Migration Inhibition/Stimulation Responses by Adjuvants and Interleukins
MacSween, J.M.; Rajaraman, R.; Rajaraman, S 343
Rat Mast Cell Granules Reacting with a Mouse Monoclonal Antibody M6764 which Recognizes the Same Epitope of a Mouse Monoclonal Antibody HNK-1
Kurosawa, M.; Okayama, Y.; Kobayashi, S.; Obata, K. 349 Differences in Migration Inhibitory Factor Production by C57B1/6 and BALB/c Mice in Allergic and Irritant Contact Dermatitis (With 1 color plate)
Malorny, U.; Goebeler, M.; Gutwald, J.; Roth, J.; Sorg, C. 356 Protection of Rats against Schistosoma mansoni Infection
Induced by Platelets Stimulated with the Murine Recombinant Tumor Necrosis Factor Alpha
Damonneville, M.; Pancré, V.; Capron, A.; Auriault, C. 361 Drug-Induced Fever: A Clinical Report and Challenge Test with Calcium Dobesilate
Puyana, J.; Fraj, J.; De La Hoz, B.; Davila, I.; Vergara, C; Cuesta, J 364
Histamine Release from Basophils after in vivo Application of Recombinant Human Interleukin-3 in Man
Presence of Felis domesticus Allergen I in the Cat’s Salivary and Lacrimal Glands
van Milligen, F.J.; Vroom, T.M.; Aalberse, R.C 375
Synergistic Activation of Human Natural Killer Cell Cytotoxicity by Histamine and Interleukin-2
Hellstrand, K; Hermodsson, S 379
Follicle Lysis in HIV-Free Lymphoid Tissues
Shiota, M.; Toyama, K; Mori, S 390
Possible Role for Platelet-Activating Factor in Neutrophil Infiltration in Allergic Inflammation in Rats
Watanabe, M.; Sugidachi, A.; Omata, M.; Hirasawa, N.;
Mue, S.; Tsurufuji, S.; Ohuchi, K  396
Inhibition of Endogenous Leukotriene-Mediated Lung Anaphylaxis in Guinea Pigs by a Novel
Receptor Antagonist ONO-1078
Ishii, A.; Nakagawa, T.; Nambu, F.; Motoishi, M.; Miymoto, T  404
Epitope-Specific Regulation of the Antibody Response against
Alpha-Lactalbumins in the Mouse
Horiuchi, T.; Yagi, J.; Asano, Y.; Tada, T  408
Eosinophil Accumulation in the Rat Pleural Cavity after Mast Cell Stimulation with Compound
48/80 Involves Protein Synthesis and Is Selectively Suppressed by Dexamethasone
Martins, M.A.; Pasquale, C.P.; e Suva, P.M.R.; Cordeiro, R.S.B.; Vargaftig, B.B  416
Inhalation Exposure to Respiratory Sensitising Chemicals
Down-Regulates Guinea Pig IgE and Pulmonary Responses
Dearman, R.J.; Botham, P.A  425
Susceptibility to Proteolipid Apoprotein and Its Encephalito-genic Determinants in Mice Endoh,
M.; Kunishita, T;Nihei, J.; Nishizawa, M.;Tabira, T  433
Drugs as Allergens: An Immunoassay for Detecting IgE Antibodies to Cephalosporins
Harle, D.G.; Baldo, B.A  439
445
Author Index