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Nota di contenuto	Allergy Treatment: Immunotherapy, Immu: Allergen avoidance: Avoidance strategies for Skin allergies -- Allergen avoidance: Cockroach and rodent avoidance -- Allergen avoidance: Dietary management of food allergy -- Allergen avoidance: Dust mite avoidance -- Allergen avoidance: Fungi and mold avoidance -- Allergen avoidance: Furry animal avoidance -- Allergen avoidance: Pollen avoidance-tree, grass, weed -- Allergen Immunotherapy: Immunotherapy for Allergic Rhinitis -- Allergen Immunotherapy: Immunotherapy for Asthma -- Allergen Immunotherapy: Immunotherapy for Hymenoptera allergy -- Allergen Immunotherapy: Immunotherapy with recombinant and DNA conjugated allergens -- Allergen Immunotherapy: Mechanisms of IT -- Allergen Immunotherapy: Overview of allergen immunotherapy -- Allergen Immunotherapy: Safety of Immunotherapy -- Allergen Immunotherapy: Sublingual Immunotherapy -- Immunomodulator therapy: Immunomodulator treatment of Asthma -- Immunomodulator therapy: Immunomodulatory treatment of Chronic urticarial -- Immunomodulator therapy: Immunomodulatory treatment of hypereosinophilic syndrome -- Immunomodulator therapy:

Immunomodulatory treatment of Mastocytosis -- Allergy Treatment: Pharmacotherapy: Herbal remedies -- Homeopathy, acupuncture, NAET -- Intranasal anticholinergics -- Intranasal antihistamines -- Intranasal Corticosteroids -- Intranasal decongestants -- Intranasal mast cell stabilizers -- Leukotriene receptor antagonists -- mAbs (omalizumab) -- Ocular antihistamines -- Ocular Corticosteroids -- Ocular vasoconstrictors -- Oral antihistamines -- Oral corticosteroids -- Oral decongestants -- Oral mast cell stabilizers -- Topical calcineurin inhibitors -- Topical corticosteroids -- Topical Preparations: Antihistamines -- Atopic Dermatitis Urticaria and Dermatitis: 3-dimethylaminopropylamine (DMAPA), allergic contact dermatitis to -- Articaine allergic reaction -- Contact urticaria/protein contact dermatitis (to asparagus, cow's hair, seafood etc.) -- Cutaneous drug reaction -- Dermatitis from 2-N-octyl-4-isothiazolin-3-one, allergic contact -- Dermatitis, allergic contact -- Dermatitis, atopic -- Eyes and eyelid, contact allergic reactions on -- Fingernails from sensitization to acrylic, loss of -- Fragrance, allergic contact dermatitis -- Gluten intolerance and skin diseases -- Hairdressers occupational skin disease -- Latex allergen sensitization -- Methylidibromo glutaronitrile, contact allergy to -- Nail contact dermatitis including allergic contact dermatitis due to nail cosmetics -- Nethertonâ€™s syndrome -- Nickel allergic contact dermatitis -- Nitroglycerin dermatitis -- Peanut urticarial -- Photoallergic contact dermatitis -- Plants, allergic contact dermatitis from -- Polidocanol: a contact allergen in shampoo -- Titanium alloy, dermatitis (allergic contact/ granulomatous) -- Urticaria -- Biology of IgE, Mast cells and Eosinophils: Activating and inhibitory receptors of mast cells -- Eosinophil activation -- Eosinophil Historical Background -- Eosinophil mediators (granule proteins) -- Eosinophil morphology -- Eosinophil progenitors, growth and differentiation -- Eosinophil receptor expression -- Eosinophil recruitment -- Genetic regulation of IgE -- Hyper eosinophilic syndrome -- Hyper IgE syndrome -- IgE isotype switching -- IgE receptor -- IgE testing -- Induction of IgE synthesis; cellular interactions and molecular events -- Mast cell growth and development -- Mast cell-derived mediators -- Mastocytosis -- Morphology and histologic identification of mast cells -- Role of eosinophils in disease -- Role of IgE in disease -- Role of mast cells in disease -- Specific IgE -- Food Allergy and Gastrointestinal Allergy: Allergic Proctocolitis and FPIES -- Cow's milk allergy -- Delayed anaphylaxis to mammalian meat (Alpha-gal) -- Diagnostic testing for food allergies -- Egg allergy -- Eosinophilic Gastrointestinal disorders -- Epidemiology of Food allergy -- Esophagitis, eosinophilic -- Fatal allergic reactions to food -- Food allergens -- Food allergies -- Food challenge -- Food Desensitization -- Future treatment for food allergies -- Nutrition in food allergy -- Oral allergy syndrome -- Peanut allergy -- Insect Allergy: Biting Insects (Local and Systemic Reactions), - Honey Bee -- Imported Fire Ant Allergy -- Insect Allergy in Children -- Venom Content -- Wasp and Vespid Allergy -- Specific Allergens Causing Human Disease: Acrylate allergy -- Allergy to topical medicines -- Benzalkonium chloride in antiseptic bath oil, contact dermatitis to -- Citral in lip salve, contact allergy to -- Contact allergy due to exposure to cosmetics -- Contact allergy due to exposure to detergents and soaps -- Contact allergy due to exposure to dyes -- Corn contact urticarial -- Dicaprylyl maleate â€“ an emerging cosmetic allergen -- Etiological agents of contact allergies -- Footwear dermatitis, allergens in -- Formaldehyde allergy -- Hair dressing allergens -- Herbs, contact sensitivity to medicinal -- Kumkum-induced dermatitis -- Majantol, a fragrance allergen -- Metal contact allergy -- Methacrylates, airborne allergic contact dermatitis

from -- Methylidibromo Glutaronitrile, Allergic contact dermatitis from hand degreasing toilet paper -- Nickel, allergic contact sensitization to -- Occupational asthma, isocyanates -- Parthenium dermatitis -- Patch testing -- Rubber/latex allergy -- Shoe allergens -- Shoe allergens, groups of -- Tea tree oil, allergy to -- Woods causing lymphomatoid contact dermatitis, exotic -- Allergy Diagnosis and Testing: Analytes and Biomarkers: IgE -- Analytes and Biomarkers: Cotinine -- Analytes and Biomarkers: Environmental Allergen Assessment -- Analytes and Biomarkers: NO₂ and Asthma -- Analytes and Biomarkers: Precipitin Antibodies -- Assay Performance Parameters -- Diagnostic Assay Components -- Diagnostic Components: T helper cell cytokines -- Diagnostic Components: Allergen (in vivo [skin testing, immunotherapy] and in vitro] â€“ Potency, Diagnostic Components: Basophils -- Diagnostic Components: Dendritic cells -- Diagnostic Components: IgE secreting Plasma Cells -- Diagnostic Components: Mast Cells (Fc-epsilon R1) -- Diagnostic Terms: Atopy -- Diagnostic Terms: Point of Care testing -- Laboratory and Assay Evaluation -- Methods (in vitro and in vivo): Multiplex Immunoassay Systems (ISAC, Luminex) -- Methods (in vitro and in vivo): NEPHELOMETRY -- Methods (in vitro and in vivo): Single-plex Immunoassay Autoanalyzers -- Methods (in vivo): Methacholine Challenge -- Methods (in vivo): Provocation Tests: (Food Challenge, Nasal Challenge, Bronchial Challenge) -- Methods (in vivo): Skin Test (intradermal, puncture) -- Predictive value theory of laboratory tests -- Asthma and Other Allergic Lower Respiratory Disease: Asthma variants: ABPA -- Asthma variants: AERD -- Asthma variants: Allergic Asthma -- Asthma variants: Cough-variant asthma -- Diseases in DDx of asthma: COPD -- Diseases in DDx of asthma: Diff dx of asthma -- Diseases in DDx of asthma: Idiopathic Acute Eosinophilic Pneumonia -- Diseases in DDx of asthma: TBM/HDAC -- Diseases in DDx of asthma: Vocal Cord Dysfunction -- Diseases in DDx of asthma: alpha 1 AT deficiency -- Diseases in DDx of asthma: Autoimmune lung disease -- Diseases in DDx of asthma: BPD -- Diseases in DDx of asthma: bronchiectasis -- Diseases in DDx of asthma: chronic eos PNA -- Diseases in DDx of asthma: Croup -- Diseases in DDx of asthma: eos bronchitis -- Diseases in DDx of asthma: HSP -- Diseases in DDx of asthma: IPF -- Diseases in DDx of asthma: Microscopic PAN -- Testing: Bronchial challenges -- Testing: Sputum eosinophil count -- Testing: DLCO -- Testing: Exercise challenge -- Testing: Exhaled nitric oxide -- Testing: High resolution chest CT scan -- Testing: Mannitol challenge -- Testing: Methacholine challenge -- Testing: PFTs.

Sommario/riassunto

Volume Allergic Diseases is a comprehensive, multi-authored reference work, offering a broad appeal to microbiologists, immunologists, and infectious disease specialists. The volume explores all aspects of allergic diseases, body systems and vaccines. Emphasis is placed on genetics, physiology, metabolism, pathogenesis, and applied microbiology. Under the leadership of some of the most world renowned names in the field, the encyclopedia brings together an outstanding collection of contributions by top scientists in a variety of fields. The entries are listed alphabetically and provide full references. The volume covers the following topics:

- Food Allergy and gastrointestinal Allergic Diseases
- Insect Allergy
- Allergy Diagnosis and Testing
- Allergy Treatment: Pharmacotherapy
- Asthma and Other Allergic Lower Respiratory Disease
- Biology of IgE, Mast Cells and Eosinophils
- Specific Allergens Causing Human Disease
- Atopic Dermatitis, Urticaria and Dermatologic Allergy
- Allergy Treatment: Immunotherapy, Immunomodulator Therapy and Allergen Avoidance.
