



## Inflammatory Disorders [

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Springer

Medicine Pharmacology General practice (Medicine) Health promotion  
 Respiratory organs- Biomedicine Pharmacology/Toxicology General  
 Practice / Family Medicine Health Promotion and Disease Prevention  
 Pneumology/Respiratory System

Monografía

The mechanistic basis of chronic inflammation remains unclear. The research sheds new light on the immune cells expressing the activation markers HLA-DR and regulatory T cells (Tregs) and the cells expressing Siglec receptors as being key players in the immune system responsiveness to antigens and thus in lung tissue damage of chronic inflammation. The results help understand the mechanisms of action of common drugs used in COPD, such as formoterol, tiotropium, or corticosteroids, and point to novel drug targets. The chapters also deal with brain damaging effects, by far unrecognized, of inhaled corticosteroid therapy, a time-proven management of chronic inflammatory airway conditions; asthma being a case in point. Novel methods, likely less producing side effects, of macrolide antibiotics administration by inhalation are discussed, emphasizing not only bacteriostatic but also anti-inflammatory action

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**Título:** Inflammatory Disorders Recurso electrónico] edited by Mieczyslaw Pokorski

**Editorial:** New York [etc.] Springer

**Descripción física:** X, 67 p. 11 il

**Mención de serie:** Advances in Experimental Medicine and Biology 0065-2598 839

**Contenido:** Inhaled Corticosteroids Increase Siglec-5/14 Expression in Sputum Cells of COPD Patients -- Tregs and HLA-DR Expression in Sputum Cells of COPD Patients Treated with Tiotropium and Formoterol -- Inhalation of Macrolides: A Novel Approach to Treatment of Pulmonary Infections -- Influence of Denture Plaque Biofilm on Oral Mucosal Membrane in Patients with Chronic Obstructive Pulmonary Disease -- Biophysical Activity of Animal-Derived Exogenous Surfactants Mixed with Rifampicin -- Organic Changes in the Central Nervous System in Children on Chronic Inhaled Corticosteroid Therapy -- Stem Cell Experiments Moves into Clinic: New Hope for Children with Bronchopulmonary Dysplasia -- Soluble Ligand CD40 and Uric Acid as Markers of Atheromatosis in Patients with Obstructive Sleep Apnea -- Carotid Artery Intima-Media Thickness in Hypertensive Patients with Obstructive Sleep Apnea

**Detalles del sistema:** Modo de acceso: Word Wide Web Modo de acceso: World Wide Web

**Fuente de adquisición directa:** Springer (e-Books)

**ISBN:** 9783319100128 978-3-319-10012-8 9783319100111

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**Punto acceso adicional serie-Título:** Advances in Experimental Medicine and Biology 0065-2598 839

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