

Acute asthma

Causes and risk factors

Management and prevention

Lessons from Emergency Room Management of Asthma

Allergen Immunotherapy

Current standards

Oral immunotherapy update-

Role of SLIT in Asthma

Allergic Rhinitis Impact on Asthma

Shared Pathophysiology of Allergic Rhinitis and Asthma

Impact of Allergic Rhinitis Therapies in Asthma

Allergen Immunotherapy in Asthma

Sub Lingual Allergen Immunotherapy for Dust Mite in Asthma and Allergic Rhinitis

Safety of Subcutaneous versus Sublingual Immunotherapy in Asthma

Allergy

Allergy testing

Aero-allergens and airways

The ARIA initiative

Anaphylaxis

Pathophysiology

Food allergy

Venom Allergy

Drug Allergy

Treatment Paradigms for anaphylaxis

Asthma and COPD

Role of Eosinophils in ACOS

Role of Th2 inflammation in ACOS

Heterogeneity of Immune Pathogenesis of Asthma and COPD

Assessment of Benefits of New LAMAs in Asthma and COPD
ICS plus LABA plus LAMA in Asthma and COPD
Role of new Biologicals in COPD

Asthma and specific conditions and populations

Asthma and pregnancy
Asthma in the elderly
Managing Allergy & Asthma in Resource Poor Settings
War-time asthma: lessons from Syria
Asthma in children less than 5 years old
Asthma in teenagers

Asthma co-morbidities

Asthma and rhinitis
Asthma and upper airways dysfunction
Obesity and asthma
Asthma and psychological problems
The asthma-COPD Overlap
Atopic dermatitis
Chronic Rhinosinusitis and Th2 inflammation

Asthma diagnosis

Under and overtreatment of asthma
Standards for the diagnosis of asthma
Pulmonary function tests

Asthma epidemiology

Incidence and prevalence of asthma in the world
Morbidity and mortality from asthma
Lung function decline and its determinants
Age and gender differences
Natural history of asthma: can it be altered
Asthma remissions
Does the “hygiene hypothesis” still holds?

Asthma pathophysiology

Airway inflammation
Epithelial dysfunction
Airway remodelling
Neurogenic factors

Asthma phenotypes

Asthma phenotyping : practical aspects
Asthma endotyping : is it worth doing ?
Severe asthma
Occupational asthma
Asthma in the athlete
Eosinophilic asthma
Non-eosinophilic asthma
Cluster analysis of asthma phenotypes
Th17 immune responses in Asthma
Innate Lymphocyte Type 2 driven Asthma
Aspirin Exacerbated Respiratory Disease

Asthma treatment

Adherence to therapy: a major asthma management problem
Inhaler techniques
Initial treatment of asthma: when to introduce ICS ?
New inhalers
Future treatment of asthma
Non-pharmacologic asthma therapies
Efficacy of Bronchothermoplasty in Asthma
LAMA versus LABA for Asthma
Allergic Moderate to Severe Asthma Treatment Options
Impact of new Asthma Biologicals on Asthma Exacerbations and Lung Function

Atopic Dermatitis

Pathophysiology- Similarities and Differences from Asthma

The Allergic March
New Therapies- Topical
New Therapies- Biologics

Clinical aspects of asthma: the patient perspective

Perception of asthma symptoms
Patients' expectations
Patient opinions on asthma treatment
The expert patient

Drugs for asthma and COPD

β 2-agonists
Inhaled corticosteroids
Anti-cholinergics
Leukotriene antagonists
Combination therapies (double and triple combinations)
Monoclonal antibodies

Educational interventions

Asthma education and knowledge translation
Educational interventions in COPD
Motivational interview
Shared-decision making
The asthma action plan
Role of the expert-patient
Training educators

Environmental factors and asthma

Allergens
Workplace inhalants
Air pollution
Weather conditions (thunderstorms)
Climate change

Food allergy

New developments
Management
Role in Asthma
Peanut Allergy Therapeutic Approaches

GINA and GOLD 2018 update

New GINA report
New GOLD report
Asthma-COPD overlap report
GINA-GOLD Implementation program

Mast Cell Activation Syndrome

Pathophysiology
Associated Conditions
Diagnostic Criteria
Differential Diagnosis
Treatment Options

Non-invasive airway inflammation assessment

Induced sputum analysis
Exhaled NO measures

Precision medicine

Personalized medicine: how to make it happen
Biomarkers of asthma
Targeting asthma therapy
Il5 versus IgE as a Therapeutics target in Asthma

- Anti-IgE
- Anti-IL5
- Other cytokines antagonists

Respiratory infections and asthma

Bacterial infections
Viral infections

Other agents

Influence of vaccination

Risk factors of asthma

Vitamin deficiency and nutritional factors

Smoking (direct and secondary)

Exposure to bacteria (microbiome)

Genetic factors

Severe asthma

Assessment of severe asthma

Management of difficult-to-control asthma

Severe pediatric asthma

New monoclonal antibodies

Thermoplasty update

Can we predict response to therapies

New therapies to come