

# Adults & adolescents 12+ years

## Personalized asthma management:

Assess, Adjust, Review response

Symptoms  
Exacerbations  
Side-effects  
Lung function  
Patient satisfaction



Confirmation of diagnosis if necessary  
Symptom control & modifiable risk factors (including lung function)  
Comorbidities  
Inhaler technique & adherence  
Patient preferences and goals

Treatment of modifiable risk factors and comorbidities  
Non-pharmacological strategies  
Asthma medications (adjust down or up)  
Education & skills training

ICS-formoterol is the preferred reliever for patients prescribed maintenance and reliever therapy. For other ICS-LABAs, the reliever is SABA

## Asthma medication options:

Adjust treatment up and down for individual patient needs

### PREFERRED CONTROLLER

to prevent exacerbations and control symptoms

Other controller options

#### STEP 1

As-needed low dose ICS-formoterol \*

Low dose ICS (span whenever SABA is taken †)

#### STEP 2

Daily low dose inhaled corticosteroid (ICS), or as-needed low dose ICS-formoterol \*

Daily leukotriene receptor antagonist (LTRA) or low dose ICS taken whenever LABA taken †

#### STEP 3

Low dose ICS-LABA

Medium dose ICS, or low dose ICS+LTRA †

#### STEP 4

Medium dose ICS-LABA

High dose ICS, add-on tiotropium, or add-on LTRA †

#### STEP 5

High dose ICS-LABA  
Refer for phenotypic assessment & add-on therapy e.g. tiotropium, anti-IgE, anti-IL5/4R, anti-IL13

Add low dose OCS, but consider side-effects

### PREFERRED RELIEVER

Other reliever option

As-needed low dose ICS-formoterol \*

As-needed low dose ICS-formoterol for patients prescribed maintenance and reliever therapy‡

As-needed short-acting  $\beta_2$ -agonist (SABA)

\* Data only with budesonide-formoterol (bud-form)

† Separate or combination ICS and SABA inhalers

‡ Low-dose ICS-form is the reliever only for patients prescribed bud-form or BDP-form maintenance and reliever therapy

§ Consider adding HDM SLIT for sensitized patients with allergic rhinitis and FEV1 >70% predicted

# Bronchial Asthma Gina Guidelines 23

**Annelies Wilder-Smith**



### **Bronchial Asthma Gina Guidelines 23:**

**Clinical Asthma** Jonathan A. Bernstein, Mark L. Levy, 2014-02-06 Enormous progress in asthma research has been made in the past 50 years including a greater understanding of its complex pathogenesis and new and more effective therapies. Consequently the scientific literature has grown vast and can be difficult to integrate. With contributions from a distinguished panel of world renowned authors *Clinical Asthma Theory and Practice* presents a comprehensive study of both the common and the more challenging problems faced by all health care personnel who treat patients with asthma. The book is divided into seven sections starting with the basics of asthma and ending with a discussion on the approach to asthma worldwide and in the primary care setting. Reflecting a strong clinical emphasis each chapter begins with a patient case study supported by essential background information on the basic science and clinical decision making process. This is followed by a discussion of clinical evaluation and management. The multidisciplinary coverage explores a range of topics including genetics, inflammation, immunology and the identification of different endotypes. Using a bench to bedside approach the book links basic science to the clinical management of asthma and explores options for improvement. The carefully selected authorship from experts worldwide presents a truly global outlook. *Cumulated Index Medicus*, 2000. *The Textbook of Emergency Cardiovascular Care and CPR* John M. Field, Peter J. Kudenchuk, Robert O'Connor, Terry VandenHoek, 2012-11-07 With an editorial team of leading experts from the American College of Emergency Physicians and the American Heart Association this book is the first complete clinically oriented reference textbook in emergency cardiovascular care and CPR. The book translates bench research to the clinician's bedside needs and addresses end of life issues. The content is appropriate for a large audience including early caregivers, emergency department and CCU nurses, students, residents, fellows and hospitalists responsible for cardiovascular emergency situations. A companion Website will include the fully searchable text, instructional videos produced by the AHA and links to ACC, AHA, ASE, ACEP and ILCOR guidelines and policy statements. *Sleep Disorders and Airway Diseases* Sy Duong-Quy, Naricha Chirakalwasan, Timothy C. Craig, Vinh Nhu Nguyen, 2023-09-15

**Clinical Allergy and Asthma Management in Adolescents and Young Adults** Ravindran Chetambath, Venugopal Panicker, 2021-11-29 This text addresses the need for a practical handbook on asthma and allergy in adolescents and young adults which constitutes an interesting and challenging age group. Asthma may diminish in intensity with age but is still an ongoing concern. In addition, compliance with management is not generally successful with the risk that the failure to treat it adequately could lead to long term sequelae, namely COPD. Finally, obesity and sedentarism in young adults and adolescents can worsen asthma on the one hand while some can be athletes on the other hand. This ready reckoner aims to help in understanding clinical allergy which is imperative for every physician who is caring for patients with asthma given its high prevalence and heterogeneous treatment options. **KEY FEATURES** Covers allergic diseases in general and asthma in detail and provides comprehensive coverage of clinical features, diagnosis and management using a case based approach. Creates

awareness of the fundamentals of clinical allergy helping physicians make wise choices in medical and surgical management especially in resource limited settings Features insight from international authors with clinical experience in the diagnosis and treatment of asthma in the specific age group of adolescents and young adults **Childhood Asthma and Beyond** L.

A. Reynolds,E. M. Tansey,2001 *American Journal of Respiratory and Critical Care Medicine* ,2009 **Asthma**

**Management Across the Life Span** Anne Meng,2003 **Current Medical Research and Opinion** ,2006

Respiratory: An Integrated Approach to Disease Andrew Lechner,2011-09-21 An innovative organ specific text that blends basic science with the fundamentals of clinical medicine Part of the Human Organ Systems series Respiratory An Integrated Approach to Disease skillfully bridges the gap between the science and practice of medicine This beautifully illustrated book seamlessly integrates the core elements of cell biology anatomy physiology pharmacology and pathology with clinical medicine It is the perfect companion for medical students transitioning to their clinical years as well as for practicing physicians who need a user friendly update on the basic science underlying the practice of clinical medicine Features and highlights include Detailed learning objectives clearly state learning goals Key concepts are emphasized in every chapter The latest developments in the field are incorporated throughout the text Numerous high quality illustrations with detailed legends clarify important or difficult concepts Clinical Correlations highlight the clinical implications of basic science Each chapter is accompanied by an annotated bibliography to enhance the learning experience and provide an overview of the critical literature in the field End of chapter case based questions with detailed explanations reinforce important concepts and assess understanding of the material A valuable Glossary of common phrases terms abbreviations and acronyms

**B-ENT** ,2005 **Asthma: Inducers and triggers** Peter J. Barnes,1997 *SAMJ* ,2007 **Indian Journal of Biochemistry & Biophysics** ,2014 *The Indian Journal of Chest Diseases & Allied Sciences* ,2008 Swiss Medical

Weekly ,2005 *BMJ* ,2006 *AJRCCM* ,2008 **CURRENT Medical Diagnosis and Treatment 2023** Maxine A. Papadakis,Stephen J. McPhee,Michael W. Rabow,Kenneth R. McQuaid,2022-09-09 A Doody s Core Title for 2023 The 1 annual internal medicine guide extensively revised and updated The most popular annual guide of its kind this updated edition of the flagship title of the LANGE medical book brand presents the most important diagnostic and treatment recommendations as well as the most useful new clinical developments in every field of adult medicine For 60 years CURRENT Medical Diagnosis Treatment has been delivering the authoritative information that students residents and clinicians need to build their medical knowledge expertise and confidence Written by top experts in their fields this unmatched guide enables you to find the answers you need quickly and easily It provides Coverage of more than 1 000 diseases and disorders Comprehensive approach to patient care focusing on diagnostic tools for day to day practice Hundreds of drug treatment tables for quick access to indexed trade names and updated drug prices Diagnostic and treatment algorithms to present important information at a glance Carefully curated updated references to provide peer

reviewed evidence based information and PMID numbers for quick online access Annual update on dynamic viral infections including SARS CoV 2 COVID 19 and HIV AIDS Hundreds of full color photographs illustrations and algorithms New Medicines, the Practice of Medicine, and Public Policy Sir Richard Sykes, Richard Sykes, 2000 This essay by the chairman of Glaxo Wellcome Plc takes a strategic view of how innovation in the development of medicines will impact on the practice of medicine and the delivery of healthcare in the first two decades of the 21st century It opens with a brief review of the impact of modern medicines on society and goes on to describe some of the new processes that are transforming the processes of medicines and what this will mean for the biopharmaceutical industry and consequently medical practice A vision of how medical practice could develop and policy issues related to this are discussed in further chapters The emphasis in the book is on global developments and global issues using country specific examples only when necessary A broad industry perspective is also taken

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