

# 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/IL5R, anti-IL4/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**

**Jonathan A. Bernstein, Mark L. Levy**



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

**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 **Asthma in Children and Adults -**

**What are The Differences and What Can They Tell us About Asthma?** Steve Turner, John W. Upham, 2020-05-15

*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 *Rudolph's Pediatrics, 23rd Edition* Mark W. Kline, Susan M. Blaney, Angelo P. Giardino, Jordan S. Orange, Daniel J. Penny, Gordon E. Schutze, Lara S. Shekerdemian, Abraham M. Rudolph, Colin D. Rudolph, 2018-08-21 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product The landmark pediatrics reference completely reinvented by an all new team of editors *Rudolph's Pediatrics* has virtually defined the pediatric field

for over a century becoming one of the most important and well respected pediatrics texts ever published Renowned for its balance of clinical features and treatment of disease with underlying biological principles this classic sourcebook has helped generations of pediatricians optimize their care of infants children and adolescents The Twenty Third Edition of Rudolph s has been completely restructured and streamlined thanks to an all new team of editors whose goal was to reinvent this classic with today s busy practitioner in mind Presented in full color the Twenty Third Edition provides an up to date in depth survey of pediatric medicine unmatched by any other text With its algorithmic approach to pediatric systems the book facilitates the diagnosis and treatment of both common and uncommon pediatric illnesses and it reflects new technologies and advances in molecular medicine that continue to evolve with current thinking about normal childhood development and pediatric disease processes New team of editors achieves consistency in both tone and depth of content Contributions from section editors and authors from leading academic pediatrics programs give expert coverage of general pediatrics and all of the pediatric sub specialties Streamlined and consistent format for most chapters outlining Pathogenesis and Epidemiology Clinical Manifestations Diagnosis Treatment and Prevention New 2 Volume presentation improves portability Hundreds of full color illustrations and tables The acclaimed balance between clinical applicability and underlying biological principles offers pediatricians a depth of coverage not found anywhere else Brand new or significantly revised chapters include Complementary and Integrative Pediatrics Childhood Adversity and Toxic Stress Autism Spectrum Disorder Pediatric Depression and Bipolar Spectrum Disorders Extracorporeal Membrane Oxygenation ECMO Palliative Care for Children with Chronic Diseases Arboviruses with new coverage of Zika virus and chikungunya virus Physiologic Basis of Pulmonary Function Acute Lymphoblastic Leukemia Neuroblastoma You d be hard pressed to find a resource that matches up to the comprehensive scope of Rudolph s It s no wonder it s a staple in most offices and hospitals Doody s Review Service

*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 CRAig,Vinh Nhu Nguyen,2023-09-15      *Childhood Asthma and Beyond* L. A. Reynolds,E. M. Tansey,2001      **B-ENT.** ,2005      *American Journal of Respiratory and Critical Care Medicine* ,2009      *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 *Current Medical Research and Opinion* ,2006 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 **Medical Diagnosis, with special reference to practical medicine. A guide to the knowledge and discrimination of diseases ... Second edition, revised** Jacob Mendez DA COSTA,1876 **SAMJ** ,2007 Asthma Management Across the Life Span Anne Meng,2003 *Asthma: Inducers and triggers* Peter J. Barnes,1997 *The Indian Journal of Chest Diseases & Allied Sciences* ,2008 *Pharmacotherapy: A Pathophysiologic Approach, Tenth Edition* Joseph T. DiPiro,Robert L. Talbert,Gary C. Yee,Gary R. Matzke,Barbara G. Wells,L. Michael Posey,2017-01-23 The most comprehensive text available on the use of evidence based medication therapies for optimal patient outcomes updated with the latest breakthroughs and guidelines A Doody s Core Title for 2019 Pharmacotherapy A Pathophysiologic Approach is written to help you advance the quality of patient care through evidence based medication therapy derived from sound pharmacotherapeutic principles The scope of this trusted classic goes beyond drug indications and dosages to include the initial selection proper administration and monitoring of drugs You will find everything you need to provide safe effective drug therapy across the full range of therapeutic categories Presented in full color the Tenth Edition is enriched by more than 300 expert contributors and every chapter has been updated to reflect

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