

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 taken 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 β_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 2013

Ying Liu



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Textbook of Allergy for the Clinician Pudupakkam K. Vedanthan, Harold S. Nelson, Shripad N. Agashe, PA Mahesh, Rohit Katial, 2021-02-04 This is the second and updated version of the Textbook of Allergy for the Clinician It is a unique book in the field of allergy The uniqueness lies in the international character of the book with contributors representing both the East and West This book represents the diversity of issues affecting patients in the specialty of allergy asthma immunology There is some discussion of the basic mechanisms involved and extensive elaboration for the clinicians This book will appeal to medical students residents and fellows undergoing training as well as consultants in academic and clinical practice settings The color plates especially in the section on Aerobiology will help in the interaction between the patient and consultant in identifying the plant or flora which is the causative factor The differences and similarities between the Eastern and Western approaches in the practice of the specialty are being addressed for the first time in a book **Medical Management of the**

Surgical Patient Michael F. Lubin, Thomas F. Dodson, Neil H. Winawer, 2013-08-15 Now in its fifth edition Medical Management of the Surgical Patient A Textbook of Perioperative Medicine has been fully revised and updated and continues to provide an authoritative account of all aspects of perioperative care for surgical patients Including recommended plans which aid accurate treatment of patients it provides an evidence based approach for consulting physicians to care for patients with underlying medical conditions that will affect their surgical management The latest minimally invasive surgical techniques are included with new chapters on thoracic aortic disease reconstruction after cancer ablation lung transplantation esophagomyotomy vasectomy and thyroid malignancies amongst others With detailed descriptions of nearly one hundred operations highlighting their usual course as well as their common complications the book encourages learning from experience This definitive account includes numerous contributions from leading experts at national centers of excellence It will continue to serve as a significant reference work for internists hospitalists anesthesiologists and surgeons

Clinical Manifestations & Assessment of Respiratory Disease - E-Book Terry Des Jardins, George G. Burton, 2015-03-12 NEW New chapter on respiratory failure and mechanical ventilation protocol outlines the respiratory therapist s role in regards to these protocols NEW New chapters on congenital diaphragmatic hernia and congenital heart disease NEW Updated content on electronic charting offers the latest guidelines for collecting and recording respiratory assessments and treatment plans using an electronic health record NEW The most up to date content throughout ensures readers are well versed in the latest assessment and treatment guidelines for various respiratory illnesses and injuries NEW Therapist driven protocols TDPs information is now separated into two chapters to divide content between the basic treatment protocols and the protocols for mechanical ventilation and weaning from the ventilator 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

Foye's Principles of Medicinal Chemistry Marc W. Harrold, Kimberly Beck, Victoria F. Roche, S. William Zito, Thomas L. Lemke, David A. Williams, 2025-08-26 Maintaining its status as the gold standard in medicinal chemistry education Foye's Principles of Medicinal Chemistry 9th Edition presents a renewed focus on the fundamental concepts that form the backbone of this critical discipline This latest edition helmed by new senior editors Marc Harrold and Kim Beck continues the text's legacy of excellence while streamlining content for today's pharmacy students and practitioners Expert contributions from experienced educators research scientists and clinicians clarify the chemical basis of drug action emphasizing the structure activity relationships physicochemical pharmacokinetic properties and metabolic profiles of the most commonly used drugs

[CURRENT Practice Guidelines in Primary Care 2013](#) Joseph S. Esherick, Daniel S. Clark, Evan D. Slater, 2012-12-18 Current Practice Guidelines in Primary Care 2013 draws information from many established CPG sources and presents summaries of the most relevant guidelines in an easy to use pocket sized package for use by any primary care clinician It offers quick access to the latest guidelines for the most appropriate preventive services screening methods and treatment approaches for commonly encountered conditions in the outpatient setting

[Ferri's Clinical Advisor 2024, E-Book](#) Fred F. Ferri, 2023-06-13 For more than 25 years Ferri's Clinical Advisor has provided immediate answers on the myriad medical diseases and disorders you're likely to encounter in a unique easy to use format A bestselling title year after year this popular 5 books in 1 reference delivers vast amounts of information in a user friendly manner It is updated annually to provide current and clinically relevant answers on over 1 000 common medical conditions including diseases and disorders differential diagnoses clinical algorithms laboratory tests and clinical practice guidelines all carefully reviewed by experts in key clinical fields Extensive algorithms along with hundreds of high quality photographs illustrations diagrams and tables ensure that you stay current with today's medical practice Contains significant updates throughout all 5 sections covering all aspects of diagnosis and treatment Features 26 all new topics including monkeypox occupational asthma care of the transgender patient infantile hypotonia long COVID medical marijuana cannabinoid use disorder and

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Smoldering Inflammation in Cardio-Immune-Metabolic Diseases Gilda Varricchi, Giuseppe Rengo, Nazareno Paolocci, Felice Rivellese, 2021-05-11

CURRENT Medical Diagnosis and Treatment 2013 Michael W. Rabow, 2012-08-23 The 1 bestselling annual guide to internal medicine now completely updated Learn from the experts and accelerate your clinical decision making Internationally acclaimed for its scholarship conciseness full color presentation and encyclopedic scope CMDT puts the latest research where it belongs into your practice The new edition of this streamlined clinical companion delivers at a glance summaries of the signs symptoms epidemiology etiology and treatment options for more than 1 000 diseases and disorders Practitioners in both the hospital and ambulatory settings rely on CMDT to keep up with new medical advances prevention strategies and cost effective therapies Here s why CMDT is essential to clinical practice Covers the fundamentals of clinical diagnosis and patient management in all fields of internal medicine A to Z survey of all primary care topics including gynecology and obstetrics dermatology neurology ophthalmology otolaryngology psychiatry neurology toxicology urology geriatrics orthopedics and palliative care The only text with an annual update on the treatment of HIV infection and AIDS Easy to navigate design with numerous figures and tables Drug treatment tables with indexed trade names and updated costs in each section Current references with PubMed and PMID numbers Essentials of Diagnosis callouts for most diseases disorders ICD 9 codes listed on inside covers NEW TO THIS EDITION New chapter on Women s Health Issues Extensively revised chapters Viral Rickettsial Infections Disorders Related to Environmental Factors and Blood Disorders Coverage of critical developments in anticoagulation and antiplatelet therapy antihypertensive therapy hematology neurology infectious disease and cardiovascular medicine Important updates in oncology including breast cancer treatment options new lung cancer screening protocols and cervical screening recommendations New risk assessment model for deep vein thrombosis DVT and DVT preventive therapies following hip or knee replacement Recent CDC guidelines on adult and adolescent immunizations and the treatment of sexually transmitted infections Overview of new medications including ivacaftor eltrombopag romiplostim and eculizumab Extensive revision of the section on rhabdomyolysis New section on peripheral artery aneurysms

Asthma: Inducers and triggers Peter J. Barnes, 1997

American Journal of Respiratory and Critical Care Medicine ,2009

Journal of Korean Medical Science ,2009

AACN Essentials of Critical Care Nursing, Third Edition Suzanne M. Burns, 2014-05-22 Concise yet thorough guidance on how to safely and competently care for adult critically ill patients and their families A Doody s Core Title for 2017 Endorsed by the American Association of Critical Care Nurses AACN and written by top clinical experts in

critical care nursing this textbook covers all the must know details on the care of adult critically ill patients and their families Supported by helpful tables and algorithms the book s practical building block organization starts with the basics before proceeding to more complex concepts AACN Essentials of Critical Care Nursing includes essential content found in ECCO Essentials of Critical Care Orientation an online program offered by AACN key information necessary to successfully prepare for CCRN certification in critical care nursing and much more AACN Essentials of Critical Care Nursing is divided into four sections THE ESSENTIALS presents core information that new clinicians must understand to provide safe competent nursing care to all critically ill patients regardless of their underlying medical diagnoses PATHOLOGICAL CONDITIONS covers pathologic conditions and management strategies commonly encountered among adult critical care patients ADVANCED CONCEPTS IN CARING FOR THE CRITICALLY ILL PATIENT moves beyond the essentials and presents advanced critical care concepts or pathologic conditions that are less common or more specialized than expected in critical care practice KEY REFERENCE INFORMATION features normal laboratory and diagnostic values algorithms for advanced cardiac life support troubleshooting guides for hemodynamic monitoring summary tables of critical care drugs and cardiac rhythms and treatment guides Learning aids include Knowledge Competencies that can be used to gauge progress and Essential Content case studies with questions and answers to further reinforce your knowledge *Childhood Asthma and Beyond* L. A. Reynolds,E. M. Tansey,2001 **Pearson Health Professional's Drug Guide 2013-2014** Margaret T. Shannon,Billie A. Wilson,Kelly Shields,2013 Pearson Health Professional s Drug Guide 2013 2014 is a current and reliable reference designed to provide comprehensive information needed to make appropriate decisions regarding drug administration This is the drug guide preferred by physician assistants physical therapists occupational therapists and all health care professionals who need accurate easily accessed information about their patients medications Comprehensive yet user friendly this handy resource includes important clinical implications for hundreds of drugs including adverse reactions interactions and side effects Includes new approved drugs as approved by the FDA and other numerous updates **The Selection and Use of Essential Medicines** WHO Expert Committee on the Selection and Use of Essential Medicines,World Health Organization,2011-11-15 This report presents the recommendations of the WHO Expert Committee responsible for updating the WHO Model Lists of Essential Medicines It contains a summary of the Committee s considerations and justifications for additions and changes to the Model Lists including its recommendations Annexes to the main report include the revised version of the WHO Model List of Essential Medicines 17th edition and the WHO Model List of Essential Medicines for Children 3rd edition In addition there is a list of all the items on the Model Lists sorted according to their Anatomical Therapeutic Chemical ATC classification codes An additional annex covers the Report of a Supplementary Meeting of the Expert Committee on the Selection and Use of Essential Medicines which took place in Geneva in January 2010 to consider treatment of the pandemic influenza virus *Medication Therapy Management, Second Edition* Karen Lynn

Whalen,2018-04-05 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 Discover the medication therapy management solution with this definitive up to date sourcebook The need to improve the use of medications has major implications for the nation s healthcare system Burdened by high costs and an ineffective process of providing medication therapy the current prescription drug environment poses considerable risks to patient safety Medication therapy management MTM is designed to address these deficiencies and this essential text gives pharmacists all the right MTM tools to identify and eliminate drug related problems that can cause potentially severe adverse events Medication Therapy Management delivers the most relevant insights into MTM a vital service that is gaining momentum due to the rapid growth of patient centered care healthcare information technology new practice models e g Patient Centered Medical Home and new payment methods Cohesively organized this expert authored guide begins with an introduction to data sets for MTM covering essential topics such as establishing quality and performance improvement the payer perspective conducting the comprehensive medication review and reimbursement The second part of Medication Therapy Management reviews MTM data sets for a wide spectrum of disorders from asthma and atrial fibrillation to HIV and heart disease Enhanced by the latest perspectives on therapeutics including completely up to date tables throughout Medication Therapy Management is a practical skill building roadmap for optimizing drug therapy and enhancing patient outcomes Features Everything you need to provide successful MTM services and empower patients to take an active role in their medication and overall healthcare Turnkey disease based data sets help you apply proven MTM principles to common disorders Helpful appendices cover therapy management characteristics and answers to key questions the MTM practice model and training survey and the Medicare Part D MTM program standardized format

Current Medical Research and Opinion ,2006 **Asthma Management Across the Life Span** Anne Meng,2003 **The Indian Journal of Chest Diseases & Allied Sciences** ,2008

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