

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

Esther Chang, Amanda Johnson



Bronchial Asthma Gina Guidelines 2013:

Handbook of Psychological Assessment in Primary Care Settings Mark E. Maruish, 2017-04-21 The second edition Handbook of Psychological Assessment in Primary Care Settings offers an overview of the application of psychological screening and assessment instruments in primary care settings This indispensable reference addresses current psychological assessment needs and practices in primary care settings to inform psychologists behavioral health clinicians and primary care providers the clinical benefits that can result from utilizing psychological assessment and other behavioral health care services in primary care settings 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 **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 abuse of performance enhancing hormones among others Includes useful appendices covering palliative care preoperative evaluation nutrition poison management commonly used herbal products in integrated medicine and much more Offers online access to Patient Teaching Guides in both English and Spanish An eBook version is included with purchase The eBook allows you to access all of the text figures and references with the ability to search customize your content make notes and highlights and have content read aloud **Ferri's Clinical Advisor 2022, E-Book** Fred F. Ferri, 2021-06-09 Access immediate answers on the medical conditions you're likely to see with this unique

bestselling resource Ferri's Clinical Advisor 2022 uses the popular 5 books in 1 format to deliver vast amounts of information in a clinically relevant user friendly manner This practical reference is updated annually to provide easy access to 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 clear photographs illustrations diagrams and tables ensure that you stay current with today's medical practice Contains significant updates throughout covering all aspects of current diagnosis and treatment Features 30 all new topics including Covid 19 disease anal cancer electronic cigarette or vaping associated lung injury EVALI gaming disorder early pregnancy loss smoke inhalation injury and subjective cognitive decline among others Includes useful appendices covering common herbs in integrated medicine and herbal activities against pain and chronic diseases care of the transgender patient palliative care preoperative evaluation and more Offers online access to Patient Teaching Guides in both English and Spanish

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 Living with Chronic Illness and Disability - eBook Esther Chang, Amanda Johnson, 2017-07-26 A reinforced focus on person and family centred care Chapter 2 Partnerships in collaborative care includes new sections on the role of the pharmacist paramedic and exercise physiologist Principles for nursing practice are embedded throughout Section 2 Evolve Resources for students and instructors provide additional multimedia resources and reflective questions to assist learning and promote self inquiry **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 **Severe Asthma, An Issue of Immunology and Allergy Clinics of North America** Rohit K. Katial, 2016-07-20 This issue of Immunology and Allergy Clinics of North America guest edited by Dr Rohit Katial is devoted to Severe Asthma Articles in this issue include Epidemiology and Pulmonary Physiology of Severe Asthma Linkage and Genetic Associations in Severe Asthma Asthma COPD Overlap Syndrome ACOS Biomarkers in Severe Asthma Imaging in Severe Asthma Eosinophilic Phenotype Neutrophilic and Pauci immune Phenotypes Role of Sleep Apnea and Gastroesophageal Reflux Disease in Severe Asthma Role of Small Airways in Severe Asthma Chronic Infection and Severe Asthma Chronic Rhinosinusitis and Aspirin Associated Respiratory Disease Psychosocial Factors in Severe Asthma Traditional Therapies for Severe Asthma and Emerging Biologics for Severe Asthma

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

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CURRENT Practice Guidelines in Primary Care 2015 Joseph S. Esherick, Daniel S. Clark, Evan D. Slater, 2015-01-05 Instantly access the most current screening prevention and management guidelines compiled from the most authoritative sources EVERY TOPIC UPDATED Guidelines for more than 60 common outpatient and inpatient complaints drawn from government agencies medical and scientific organizations and expert panels Carefully selected for relevance to the office practice of ambulatory medicine Easy to apply take home points are perfect for busy clinicians Guideline based algorithms simplify clinical decision making Clinical pearls for all healthcare providers Spans all areas of general medicine Website addresses for U S government agencies and professional societies Updated evidence based content More than 30 new topics

Pharmacotherapy Principles and Practice, Seventh Edition Marie A. Chisholm-Burns, Jill M. Kolesar, Patrick M. Malone, Kelly C Lee, P. Brandon Bookstaver, Kathryn R. Matthias, 2025-06-05 An indispensable guide to the essential principles of pharmacotherapy and their application in real world clinical practice To deliver the best possible patient centered care healthcare professionals must understand how to maximize the effectiveness of medications minimize adverse reactions and promote favorable health outcomes Pharmacotherapy Principles and Practice Seventh Edition provides a strong foundation of evidence based strategies to educate learners on the process of developing executing monitoring and assessing medication therapy This comprehensive guide will help you develop a sound understanding of the fundamental principles behind pharmacotherapy for various diseases This seventh edition reflects the latest findings in the field and includes a new chapter on health equity The new chapter is followed by five chapters focused on special populations pediatrics geriatrics palliative care critical care and global health and travel medicine An additional 97 predominately disease based chapters review epidemiology etiology pathophysiology clinical presentation and diagnosis nonpharmacologic therapy and pharmacologic therapy with emphasis on clear recommendations for medication selection desired outcomes dosing and patient monitoring Pharmacotherapy Principles and Practice Seventh Edition features NEW Chapter Improving Patient Care by Understanding Health Equity and the Social Determinants of Structured learning objectives presented at the beginning of each chapter Key concepts identified by icons highlight the disease state patient assessment and treatment Patient encounters significantly revised from the previous edition which facilitate development of critical thinking skills Patient Care Process section modeling the Joint Commission of Pharmacy Practitioners JCPP Pharmacists Patient Care Process Up to date literature citations for each chapter Tables figures algorithms and defined medical abbreviations Self assessment questions and answers in the Online Learning Center Valuable table of common laboratory tests and reference ranges

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for adult progressive care patients and their families Endorsed by the American Association of Critical Care Nurses AACN and written by top clinical experts in acute and progressive care nursing this textbook covers all the must know details on the care of adult progressive care 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 The AACN Essentials of Progressive Care Nursing includes essential information to successfully prepare for PCCN certification in progressive care and much more The AACN Essentials of Progressive Care Nursing is divided into four sections THE ESSENTIALS presents information that clinicians must understand to provide safe competent nursing care to the majority of progressive care patients regardless of their underlying medical diagnoses PATHOLOGICAL CONDITIONS covers pathologic conditions and management strategies commonly encountered among adult progressive care patients ADVANCED CONCEPTS IN CARING FOR THE PROGRESSIVE CARE PATIENT presents advanced progressive care concepts or pathologic conditions that are less common or more specialized than expected in adult progressive care KEY REFERENCE INFORMATION features normal laboratory and diagnostic values pharmacology tables algorithms for advanced cardiac life support and summary tables of cardiac rhythms ECG characteristics and treatment guides

Encyclopedia of Pharmacy Practice and Clinical Pharmacy, 2019-06-28 Encyclopedia of Pharmacy Practice and Clinical Pharmacy Three Volume Set covers definitions concepts methods theories and applications of clinical pharmacy and pharmacy practice It highlights why and how this field has a significant impact on healthcare The work brings baseline knowledge along with the latest most cutting edge research In addition new treatments algorithms standard treatment guidelines and pharmacotherapies regarding diseases and disorders are also covered The book s main focus lies on the pharmacy practice side covering pharmacy practice research pharmacovigilance pharmacoeconomics social and administrative pharmacy public health pharmacy pharmaceutical systems research the future of pharmacy and new interventional models of pharmaceutical care By providing concise expositions on a broad range of topics this book is an excellent resource for those seeking information beyond their specific areas of expertise This outstanding reference is essential for anyone involved in the study of pharmacy practice Provides a one stop resource for access to information written by world leading scholars in the field Meticulously organized with articles split into three clear sections it is the ideal resource for students researchers and professionals to find relevant information Contains concise and accessible chapters that are ideal as an authoritative introduction for non specialists and readers from the undergraduate level upwards Includes multimedia options such as hyperlinked references and further readings cross references and videos

[Pharmacotherapy Casebook: A Patient-Focused Approach, 9/E](#) Terry L. Schwinghammer, Julia M. Koehler, 2014-07-22 More than 150 cases help develop the skills you need to identify and resolve the most common drug therapy problems The perfect study companion to DiPiro s Pharmacotherapy A Pathophysiologic Approach More than 40 all new cases Pharmacotherapy Casebook A Patient Focused Approach delivers 157 patient cases designed to teach you how to

apply the principles of pharmacotherapy to real world clinical practice The case chapters in this book are organized into organ system sections that correspond to those of the DiPiro textbook By reading the relevant chapters in Pharmacotherapy A Pathophysiologic Approach you will be able to familiarize yourself with the pathophysiology and pharmacology of each disease state included in this casebook Each case teaches you how to Identify real or potential drug therapy problems Determine the desired therapeutic outcome Evaluate therapeutic alternatives Design an optimal individualized pharmacotherapeutic plan Develop methods to evaluate the therapeutic outcome Provide patient education Communicate and implement the pharmacotherapeutic plan Everything you need to develop expertise in pharmacotherapy decision making Realistic patient presentations include medical history physical examination and laboratory data followed by a series of questions using a systematic problem solving approach Compelling range of cases from the uncomplicated a single disease state to the complex multiple disease states and drug related problems Diverse authorship from more than 190 clinicians from nearly 100 institutions Coverage that integrates the biomedical and pharmaceutical sciences with therapeutics Appendices containing valuable information on pharmacy abbreviations laboratory tests mathematical conversion factors anthropometrics and complementary and alternative therapies Nanomedicine for Inflammatory Diseases Lara Scheherazade Milane,Mansoor M. Amiji,2017-09-19 Nanomedicine for Inflammatory Diseases is a cutting edge resource for clinicians and scientists alike working at the intersection of development and clinical therapeutics This text is ideal for graduate level courses in nanomedicine translational medicine or inflammatory disease This book is a progressive hallmark in translational medicine as it unites clinicians treating inflammatory disease with scientists developing experimental nanomedicine therapeutics The commonality is made through a translational nanomedicine expert bridging the gap between the laboratory benchtop and the clinical bedside **CURRENT Practice Guidelines in Primary Care 2016** Joseph S. Esherick,Daniel S. Clark,Evan D. Slater,2015-12-25 Guidelines for more than 60 common outpatient conditions drawn from the most reliable sources CURRENT Practice Guidelines in Primary Care 2016 provides you with quick access to screening prevention and treatment guidelines for more than 60 common outpatient conditions Content is drawn from a wide array of recommendations from government agencies expert panels medical specialty organizations and other professional and scientific organizations CURRENT Practice Guidelines in Primary Care 2016 contains more than thirty brand new topics that healthcare providers must know making this an essential clinical companion in the primary care setting Each topic is carefully selected for relevance to the office practice of ambulatory medicine and the text overflows with clinical pearls easy to apply take home points and guideline based algorithms designed to simplify clinical decision making Spans all areas of general outpatient medicine Updated evidence based content Website addresses for U S government agencies and professional societies More than thirty new topics offer the latest clinical perspectives on primary care practice *EBOOK Murtagh's General Practice* John Murtagh,Jill Rosenblatt,Clare Murtagh,Justin Coleman,2018-10-06 John Murtagh s General

Practice is the gold standard reference for established doctors and new graduates and students in the fields of general practice and primary health care This new edition is completely revised and expanded including New diagnostic strategies for common presenting problems Significant updates on sexual health and cervical cancer screening Updated information on mental health diagnosis and treatment This seventh edition builds on its influential legacy and has been thoroughly updated by the experienced author team including new authors who bring a new generation of knowledge and diagnostic expertise to this authoritative title Yonsei Medical Journal, 2013 **CURRENT Practice Guidelines in Primary Care 2017** Joseph S. Esherick, Evan D. Slater, Jacob A. David, 2017-01-09 Today's Best Practices in Your Pocket Guidelines for the most common outpatient conditions in a NEW user friendly outline format A Doody's Core Title for 2017 CURRENT Practice Guidelines in Primary Care 2017 has been reformatted into an easy to use outline to provide you with quick access to screening prevention and treatment guidelines for the common outpatient conditions Content is drawn from a wide array of recommendations from government agencies expert panels medical specialty organizations and other professional and scientific organizations Each topic is carefully selected for relevance to the office practice of ambulatory medicine and the text overflows with clinical pearls easy to apply take home points and guideline based algorithms designed to simplify clinical decision making Every topic updated NEW user friendly outline format speeds you to most current screening prevention and management guidelines The perfect balance between brevity and clinical necessity exactly the amount of information you need no more less Authoritative content drawn from government agencies medical and scientific organizations and expert panels Carefully selected for relevance to the office practice of ambulatory medicine Easy to apply take home points are perfect for busy clinicians Clinical pearls for all healthcare providers Spans all areas of general medicine Website addresses for U S government agencies and professional societies Updated evidence based content *Pharmacotherapy Principles and Practice, Sixth Edition* Marie A. Chisholm-Burns, Terry L. Schwinghammer, Patrick M. Malone, Jill M. Kolesar, Kelly C Lee, P. Brandon Bookstaver, 2022-02-04 All the main concepts from the landmark Pharmacotherapy A Pathophysiologic Approach distilled down to a concise clinically focused full color resource Providing a solid evidence based approach Pharmacotherapy Principles Practice Sixth Edition explains how to design implement monitor and evaluate medication therapy You'll gain an in depth understanding of the underlying principles of the pharmacotherapy of disease and their practical application Pharmacotherapy Principles Practice includes chapters on geriatrics pediatrics and palliative care Each of the subsequent disease based chapters covers disease epidemiology etiology pathophysiology clinical presentation and diagnosis nonpharmacologic therapy followed by therapeutic recommendations for medication selection desired outcomes dosing and patient monitoring Features Chapters are written reviewed by pharmacists NPs PAs and physicians considered authorities in their fields Learning objectives with associated content identified with a margin rule Disorder based organization makes finding answers quick and easy Surveys the full range of organ system disorders treated in pharmacy practice Knowledge

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