

GINA 2023: Stepwise Treatment Approach

GINA 2023 - STARTING TREATMENT

Children 6-11 years with a diagnosis of asthma

ASSESS:

Confirmation of diagnosis

Symptom control and modifiable risk factors

Comorbidities

Inhaler technique and adherence

Child and parent/caregiver preferences and goals

START HERE IF:

Symptoms < 2/month

Symptoms ≥ 2/month and less than daily

Symptoms with awakening ≥ 1/wk or symptoms most days

Symptoms with awakening ≥ 1/wk, most days, and low lung function

Short course OCS may also be needed for patients presenting with severely uncontrolled asthma

PREFERRED CONTROLLER:

To prevent exacerbations and control symptoms

Other controller options (limited indications, or less evidence for efficacy or safety)

RELIEVER

STEP 1

Low dose ICS taken whenever SABA taken

Consider daily low dose ICS

STEP 2

Daily low dose inhaled corticosteroid (ICS) [see table of ICS dose ranges for children]

Daily leukotriene receptor antagonist (LTRA), or low dose ICS taken whenever SABA taken

STEP 3

Low dose ICS-LABA, OR medium dose ICS, OR very low dose ICS-formoterol maintenance and reliever (MART)

Low dose ICS + LTRA

STEP 4

Medium dose ICS-LABA, OR low dose ICS-formoterol maintenance and reliever therapy (MART) Refer for expert advice

Add tiotropium or add LTRA

STEP 5

Refer for phenotypic assessment + higher dose ICS-LABA or add-on therapy, e.g. anti-IgE, anti-IL4R, anti-IL5

As last resort, consider add-on low dose OCS, but consider side effects

As-needed SABA (or low dose ICS-formoterol reliever for MART in Steps 3 and 4)

Gina Asthma Guidelines 23

Margaret V. Clark, Clark



Gina Asthma Guidelines 23:

Textbook of Clinical Pediatrics A. Y. Elzouki, H. A. Harfi, H. Nazer, William Oh, F. B. Stapleton, R. J. Whitley, 2012-01-10
The second edition of the textbook is planned to become a MRW textbook. It will be written by 389 eminent pediatricians and scientists from leading university hospitals and health centers in North America, Europe, Asia, and Australia. Written with more than 425 chapters, the book will encompass virtually all pediatric subspecialties covering every pediatric disease and organ system. Its strong clinical focus with a problem-based approach will help practicing pediatricians, residents, medical students, as well as family practitioners to manage sick children in a practical way based on scientific evidence. Thus, it will become a valuable reference and resource for all health care practitioners dealing with pediatric patients. *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. *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 **Primary Care - E-Book** Terry Mahan Buttarro,JoAnn Trybulski,Patricia Polgar-Bailey,Joanne Sandberg-Cook,2016-04-07 Prepare for success in today s fast paced collaborative healthcare environment Offering expert perspectives from a variety of primary care and nurse practitioners Primary Care A Collaborative Practice 5th Edition helps you diagnose treat and manage hundreds of adult disorders Care recommendations indicate when to consult with physicians or specialists and when to refer patients to an emergency facility This edition includes six new chapters a fresh new design the latest evidence based guidelines and a new emphasis on clinical reasoning Combining academic and clinical expertise an author team led by Terry Mahan Buttarro shows NPs how to provide effective truly interdisciplinary health care UNIQUE A collaborative perspective promotes seamless continuity of care with chapters written by NPs physicians PAs and other primary care providers Comprehensive evidence based content covers every major disorder of adults seen in the outpatient office setting reflects today s best practices and includes the knowledge you need for the NP DNP level of practice A consistent format in each chapter is used to describe disorders facilitating easier learning and quick clinical reference Diagnostics and Differential Diagnosis boxes provide a quick reference for diagnosing disorders and making care management decisions Complementary and alternative therapies are addressed where supported by solid research evidence Referral icons highlight situations calling for specialist referral or emergency referral NEW chapters cover topics including transitional care risk management LGBTQ patient care bullous pemphigoid pulmonary embolism and dysphagia NEW An emphasis on clinical reasoning helps you develop skills in diagnosis and treatment with coverage moving away from pathophysiology and toward diagnostic reasoning and disease management including pharmacologic management NEW focus on interdisciplinary care underscores the importance of interprofessional education and practice and includes Interdisciplinary Management features UPDATED chapters reflect the latest literature and evidence based treatment guidelines including new content on the Affordable Care Act as well as new coverage of patient satisfaction metrics quality metrics value based purchasing pharmacogenetics genomics and teen pregnancy and abnormal pregnancy NEW quick reference features make it easier to locate important information through colorful section tabs bulleted summaries additional algorithms a more logical table of contents an Index to Standardized Treatment Guidelines and a Reference to Common Laboratory Values **Asthma** Margaret V. Clark,Clark,2010-07-07 Asthma A Clinician s Guide incorporates the new National Heart Lung and Blood Institute s 2007 Guidelines for the Diagnosis and Management of Asthma EPR 3 and emphasizes the importance of asthma control that has come to the forefront of asthma management This vital text discusses the current data on genetics and strategies to overcome treatment disparities With concise evidence based information in an easily accessible format this book provides respiratory and pulmonary medicine students with a fundamental resource to

better understand asthma and manage appropriate treatment for various patient populations Each chapter includes an outline objectives and key terms with definitions Appendices include travel charts and school plans Guideline based step management algorithms provided for each age group Peak flow charts and instruction guides are included Forms templates provided for reproduction This user friendly text is an essential reference for students and clinicians alike Severe Asthma Kian Fan Chung, Elliot Israel, Peter G. Gibson, 2019-06-01 Severe asthma is a form of asthma that responds poorly to currently available medication and its patients represent those with greatest unmet needs In the last 10 years substantial progress has been made in terms of understanding some of the mechanisms that drive severe asthma there have also been concomitant advances in the recognition of specific molecular phenotypes This ERS Monograph covers all aspects of severe asthma epidemiology diagnosis mechanisms treatment and management but has a particular focus on recent understanding of mechanistic heterogeneity based on an analytic approach using various omics platforms applied to clinically well defined asthma cohorts How these advances have led to improved management targets is also emphasised This book brings together the clinical and scientific expertise of those from around the world who are collaborating to solve the problem of severe asthma Essentials of Aerosol Therapy in Critically ill Patients Mohamed E. A. Abdelrahim, Haitham Saeed, Hadeer S. Harb, Yasmin M. Madney, 2021-10-21 This book assesses the most appropriate forms of aerosol therapy for critically ill patients Aerosol therapy is applied for the treatment of several pulmonary diseases in addition to some promising applications intended for systemic absorption Nowadays aerosol delivery to clinically stable patients in the outpatient settings is done easily with a lot of focus on patient counseling and enhancement of lung deposition A lot of guidelines are available for several diseases and it could offer adequate guidance to the therapists concerning escalation or de escalation of therapy to enhance treatment efficiency and safety However in critically ill patients aerosol delivery is mostly done by the choice of the respiratory therapist only according to his knowledge The book describes the type of patients requiring aerosol therapy different aerosol generators available for the treatment of critically ill patients mechanisms of aerosol lung deposition and factors affecting aerosol deposition It also discusses the special needs of neonates and infants transitioning aerosol from hospital to home and the methods of aerosol delivery to different patient e g nasal delivery patients ventilated patients etc Moreover it reviews methods of detecting such aerosol delivery to the lung At the end it discusses the suggested monitoring plans and weaning protocols to ensure high efficacy and safety of the ventilatory support in such patients Given its scope the book can serve as guidelines or specific recommendations to maximize clinical benefits of medicated aerosols in critically ill patients and it represents a valuable resource for intensivists pulmonologists and healthcare professionals working at ICUs Asthma and COPD Overlap: An Update, An Issue of Immunology and Allergy Clinics of North America, E-Book Nicola A. Hanania, Louis-Philippe Boulet, 2022-08-17 In this issue guest editors bring their considerable expertise to this important topic Provides in depth reviews on the latest updates in the field providing actionable insights for clinical

practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create these timely topic based reviews

Airway Diseases Cemal Cingi, Arzu Yorgancıoğlu, Nuray Bayar Muluk, Alvaro A. Cruz, 2023-07-03 This book provides a comprehensive and up to date overview of all the upper and lower airways disorders and broadens their understanding by combining ENT and pulmonology disciplines The volume opens with a general overview on the airways before describing symptoms infections and allergies In addition to the upper airway tumors specific lower and upper airway disorders other topics addressed by the book are pediatric lower airway disorders sleep related breathing disorders trauma reflux and interventional pulmonology The closing part discusses the airway protection and includes a chapter on gender and pulmonary diseases Written by experts in the fields the book is a valuable resource for both specialists and trainees in ENT pulmonology and pediatrics

Abrams' Clinical Drug Therapy Geralyn Frandsen, Sandra S. Pennington, 2020-10-05 Highly praised for its clear organization and approachable presentation *Abrams Clinical Drug Therapy Twelfth Edition* continues a long tradition of guiding students and instructors through the practice of safe and effective medication administration Expert pharmacology educators and clinicians explain the why behind each nursing action and emphasize individualized nursing care and drug therapy to promote optimal outcomes in every care setting This updated edition is filled with case studies concept maps and other engaging features and is complemented by robust online resources that reinforce understanding and establish a solid foundation for success from the classroom to the NCLEX to clinical practice

Mount Sinai Expert Guides Stephan A. Mayer, Janet M. Shapiro, Umesh K. Gidwani, John M. Oropello, 2020-12-01 Part of the Mount Sinai Expert Guide series this outstanding book provides rapid access clinical information on all aspects of Critical Care with a focus on clinical diagnosis and effective patient management With strong focus on the very best in multidisciplinary patient care it is the ideal point of care consultation tool for the busy physician

Asthma, COPD, and Overlap Jonathan A. Bernstein, Louis-Philippe Boulet, Michael E. Wechsler, MD, MMSc, 2018-03-22 Using illustrative case examples this book thoroughly reviews similarities and differences between asthma chronic obstructive pulmonary disease COPD and the overlap syndrome It is important to highlight the distinctions because these commonly encountered conditions in respiratory and primary care share many similarities but have important differences often mistaken for each other This can have serious implications for treatment particularly as new treatments are targeted at specific phenotypes of the diseases This practical guide shows how to distinguish between the diseases on a pathological and clinical basis so that appropriate management and treatment may be pursued

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 **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 *Basic Pharmacology for Nurses - E-Book* Michelle J. Willihnganz, Bruce D. Clayton, 2016-02-25 Known for its accurate up to date drug content and its practical application of the nursing process to drugs and disorders Clayton and Willihnganz s Basic Pharmacology for Nurses 17th Edition prepares you for safe medication administration Emphasizing the nurse s role clear guidelines cover safe drug handling types of drugs used for disorders or to affect body systems injection and enteral administration and patient education From a respected PharmD Nursing author team this full color text also provides an excellent review for the pharmacology questions on the NCLEX examination Current accurate content ensures that the most current drugs and treatment protocols are presented Application of the nursing process includes general principles of nursing care for each disorder along with nursing considerations for drug treatment plans An emphasis on safe drug handling and administration includes High Alert and Do Not Confuse icons as well as Medication Safety Alert boxes A focus on patient education and health promotion equips you for health teaching related to medications NCLEX preparation sections at the end of each chapter helps you get ready for pharmacology related questions on the NCLEX examination A study guide corresponds to the textbook and offers review questions and clinical scenarios to reinforce your understanding of nursing pharmacology Available separately UPDATED drug coverage includes the most recent FDA approvals withdrawals and therapeutic uses UPDTED guidelines cover injection and enteral medication administration with an emphasis on safe medication practice UPDATED treatment protocols include specific conditions such as asthma hyperlipidemia heart failure COPD and cancer NEW Objectives and key terms are listed at the beginning of each chapter making it easy to see chapter content at a glance

Brocklehurst's Textbook of Geriatric Medicine and Gerontology E-Book Howard M. Fillit, Kenneth Rockwood, John B Young, 2016-05-06 The leading reference in the field of geriatric care Brocklehurst s Textbook of Geriatric Medicine and Gerontology 8th Edition provides a contemporary global perspective on topics of importance to today s gerontologists internal medicine physicians and family doctors An increased focus on frailty along with coverage of key issues in gerontology disease specific geriatrics and complex syndromes specific to the elderly makes this 8th Edition the reference you ll turn to in order to meet the unique challenges posed by this growing patient population Consistent discussions of clinical manifestations diagnosis prevention treatment and more make reference quick and easy More than 250 figures including algorithms photographs and tables complement the text and help you find what you need on a given condition

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Asthma in the Workplace David I. Bernstein, Jean-Luc Malo, 2013-05-10 Occupational factors are responsible for a large percentage of cases of asthma in adults of working age Any irritant generated at high concentrations can cause occupational asthma and early diagnosis is critical because cure is still possible at this stage This latest edition of *Asthma in the Workplace* reflects the rapid pace of discovery and research in workplace asthma that has taken place in recent years This Fourth Edition retains the international flavor of prior editions with contributions from editors and contributors from around the world Several chapters commence with clinical histories and workplace scenarios relevant to the focus of the chapter making it particularly germane for primary care providers to develop skills in early recognition of the disease Topics discussed include Definitions historical background epidemiology genetics pathophysiology and animal models Guidelines for assessing the worker and the workplace and proposed guidelines for management including compensation aspects Medicolegal aspects prevention and surveillance Detailed information about specific agents including a variety of high and low molecular weight agents Other types of work related asthma conditions such as irritant induced asthma eosinophilic bronchitis and occupational rhinitis This new edition has been significantly restructured and places a greater emphasis on the clinical aspects of management and treatment This heightened focus on practical considerations makes it a truly comprehensive hands on resource for practitioners and researchers in this fast moving field

Evidence-Based Respiratory Medicine Peter G. Gibson, Michael Abramson, Richard Wood-Baker, Jimmy Volmink, Michael Hensley, Ulrich Costabel, 2008-04-15 First major evidence based text in adult respiratory medicine Comprehensive authoritative summary of the best treatments for the major respiratory diseases Compiled by specialists from the Cochrane Airways Management Group Easy to use format with key clinical implications summarised in each chapter Kept up to date online Compiled by specialists from the Cochrane Collaboration Airways Management Group Evidence based Respiratory Medicine is the first major evidence based text in adult respiratory medicine Providing a comprehensive summary of the best treatments for the most important respiratory diseases some of the world s leading physicians review the evidence for a broad range of treatments using evidence based principles Essential information is presented in an easy to understand format with the most important clinical implications summarised in each chapter Evidence based Respiratory Medicine tackles the big clinical questions in diagnosis and treatment presenting treatment options which take into account the individual patient s needs Evidence Based Series Evidence based Respiratory Medicine part of the acclaimed series BMJ

Evidence based medicine textbooks that have revolutionised clinical medicine literature comes with a fully searchable CD ROM of the whole text Note CD ROM DVD and other supplementary materials are not included as part of eBook file

Clinical Asthma E-Book Mario Castro, Monica Kraft, 2008-04-21 This unique new text delivers practical guidelines on diagnosing and treating patients with asthma Drs Castro and Kraft are extensively involved in asthma research and improved patient care and their comprehensive coverage of key challenges in diagnosing and treating asthma makes this a must have resource The organized full color format ensures readability and helps you find information quickly and easily Offers up to date protocols and management guidelines to help you provide the best care for your patients Presents chapters on special situations and special populations to help you overcome clinical challenges such as the difficult to control or pregnant asthma patient Provides specialized sections on asthma education to give guidance on leading your patients to better self management by improving their adherence to treatment guidelines Highlights material found on the Asthma Educator Certification exam in special education boxes Offers expert guidance on translating the new NIH EPR 3 Asthma Guidelines to hands on patient care Organized in a consistent chapter format that provides concise logical coverage of essential information for easy reference Contains special boxes that highlight clinical pearls controversial issues and patient education information Uses a full color format that makes it easy to find information quickly

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Table of Contents Gina Asthma Guidelines 23

1. Understanding the eBook Gina Asthma Guidelines 23
 - The Rise of Digital Reading Gina Asthma Guidelines 23
 - Advantages of eBooks Over Traditional Books
2. Identifying Gina Asthma Guidelines 23
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Gina Asthma Guidelines 23
 - User-Friendly Interface
4. Exploring eBook Recommendations from Gina Asthma Guidelines 23
 - Personalized Recommendations
 - Gina Asthma Guidelines 23 User Reviews and Ratings
 - Gina Asthma Guidelines 23 and Bestseller Lists

5. Accessing Gina Asthma Guidelines 23 Free and Paid eBooks
 - Gina Asthma Guidelines 23 Public Domain eBooks
 - Gina Asthma Guidelines 23 eBook Subscription Services
 - Gina Asthma Guidelines 23 Budget-Friendly Options
6. Navigating Gina Asthma Guidelines 23 eBook Formats
 - ePub, PDF, MOBI, and More
 - Gina Asthma Guidelines 23 Compatibility with Devices
 - Gina Asthma Guidelines 23 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Gina Asthma Guidelines 23
 - Highlighting and Note-Taking Gina Asthma Guidelines 23
 - Interactive Elements Gina Asthma Guidelines 23
8. Staying Engaged with Gina Asthma Guidelines 23
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Gina Asthma Guidelines 23
9. Balancing eBooks and Physical Books Gina Asthma Guidelines 23
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Gina Asthma Guidelines 23
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Gina Asthma Guidelines 23
 - Setting Reading Goals Gina Asthma Guidelines 23
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Gina Asthma Guidelines 23
 - Fact-Checking eBook Content of Gina Asthma Guidelines 23
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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