

# The 2002 Japanese Pediatric Guideline for the Treatment and Management of Asthma

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## ABSTRACT

The Japanese Pediatric Asthma Guideline was revised in November of 2002. The guideline, the JPGL2002, has several characteristics different from other asthma guidelines. One of the important differences is the classification of asthma severity: the frequencies of asthma symptoms in Steps 2, 3 and 4 of the JPGL2002 are similar to those of Steps 1, 2 and 3, respectively, of the Global Initiative for Asthma (GINA). In the JPGL2002, infantile asthma is classified separately, considering the necessity of special concern due to the characteristic features, and three different protocols for long-term management are provided according to the patients' ages: younger than 2 years, 2 to 5 years, and older than 5 years. For patients older than 5 years, inhaled glucocorticosteroid (ICS) is recommended for asthma with symptoms more than once a month but less than once a week (Step 2). The GINA classifies this as Step 1 and does not recommend the use of ICS. The recommended dosages of ICS for Steps 3 and 4 of the JPGL2002 are, however, smaller than those for Steps 2 and 3, respectively, of the GINA. It should be clarified in future studies whether or not such a use of ICS can lead to earlier and more frequent remission of asthma, hopefully resulting in the asthma being outgrown.

## KEY WORDS

asthma, children, guideline, Japan

## INTRODUCTION

The Japanese Pediatric Guideline for the Treatment and Management of Asthma was revised in November of 2002 by the 2002 Asthma Guideline Committee of the Japanese Society of Pediatric Allergy and Clinical Immunology. This revised guideline<sup>1</sup> (JPGL2002) shares the same concept with other asthma guidelines such as the Global Initiative for Asthma 2002<sup>2</sup> and 2003<sup>3</sup> (GINA). In the definition of asthma, the airway pathology in and mechanisms of asthma, and the diagnosis of asthma, but has several important differences from other guidelines, especially in the classification of the severity of and medications for asthma. In this review, mainly these characteristic features of the JPGL2002 will be discussed.

## CLASSIFICATION OF ASTHMA SEVERITY IN THE JPGL2002

The JPGL2002 provides criteria for classification of

asthma severity different from those of the GINA. As shown in Figure 1, the JPGL2002 classifies asthma severity into 4 steps according to the clinical features before treatment: intermittent asthma (Step 1), mild persistent asthma (Step 2), moderate persistent asthma (Step 3) and severe persistent asthma (Step 4). This classification is similar to that of the GINA, but the JPGL2002 divides Step 4 into Step 4-1 and Step 4-2, the latter including severe persistent asthma which is resistant to appropriate medications for Step 4-1.

However, the frequency of asthma symptoms and other features of each step of the JPGL2002 are quite different from those of the GINA; those of each step of the JPGL2002 are milder than those of the GINA. Step 2 is included in Step 1 in the GINA; Steps 3 and 4 are very similar to Steps 2 and 3, respectively, of the GINA. The 2002 Japanese Pediatric Asthma Guideline Committee has adopted the JPGL2002 classification because it seems more suitable for the classifica-

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Encyclopedia of Education and Human Development Stephen J. Farenga, Daniel Ness, 2015-07-17 This comprehensive and exhaustive reference work on the subject of education from the primary grades through higher education combines educational theory with practice making it a unique contribution to the educational reference market Issues related to human development and learning are examined by individuals whose specializations are in diverse areas including education psychology sociology philosophy law and medicine The book focuses on important themes in education and human development Authors consider each entry from the perspective of its social and political conditions as well as historical underpinnings The book also explores the people whose contributions have played a seminal role in the shaping of educational ideas institutions and organizations and includes entries on these institutions and organizations This work integrates numerous theoretical frameworks with field based applications from many areas in educational research

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*Pediatric and Adult Nutrition in Chronic Diseases, Developmental Disabilities, and Hereditary Metabolic Disorders* Shirley W. Ekvall, Valli K. Ekvall, 2017-03-09 Packed with information that is useful on a daily basis This book will be useful for all who care for children with disabilities or chronic disease Journal of Parenteral and Enteral Nutrition Food and nutrition studies are more relevant to the practice of medicine than ever before As scientific understanding of these links has expanded over the last decade the need for an authoritative reference has never been greater This fully revised and updated edition of PEDIATRIC AND ADULT NUTRITION IN CHRONIC DISEASES DEVELOPMENTAL DISABILITIES AND HEREDITARY METABOLIC DISORDERS offers a comprehensive reference to the nutritional interventions for diseases across the lifespan Comprising more than 60 topic based chapters from leading figures in nutrition and medicine this book is the most up to date work on diet as a symptom of and therapy for chronic hereditary and developmental disorders Enriched with tables and charts that distill the latest recommendations for nutrient intake physical activity this third edition is a convenient and essential resource for busy clinicians and students in nutrition dietetics and medical specialties

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*Index Medicus*, 2003 Vols for 1963 include as pt 2 of the Jan issue Medical subject headings

**Personalizing Asthma Management for the Clinician** Stanley J. Szeffler, Fernando Holguin, Michael E Wechsler, 2017-09-22 Personalized medicine is a rapidly emerging area in health care and asthma management lends itself particularly well to this new development This practical resource by Dr Stanley J Szeffler helps you navigate the many asthma medication options available to your patients as well as providing insights into those which may be introduced within the next several years Features a wealth of information on available asthma medications including new immunomodulators new responses to treatment and new treatment strategies at all levels of asthma care Prepares you to meet your patients needs regarding asthma exacerbation prevention and asthma prevention Consolidates today's available information and guidance in this timely area into one convenient resource

Children with Complex Medical Issues in Schools Christine L. Castillo, PhD, LSSP, 2008-04-14 Increasingly children with significant medical issues are being incorporated into the general school environment Given the potential effects of various disorders and conditions on educational prognosis it is important for neuropsychologists pediatric psychologists school psychologists teachers and other professionals who are working with these children to be aware of the nature and course of these many disorders as well as the avenues for rehabilitation accommodation and classroom modification In Children with Complex Medical Issues in Schools Dr Castillo bridges the gap between research and practice and provides a concise yet thorough reference that covers a broad range of conditions from high incidence disorders like epilepsy and meningitis to those with less obvious neurological underpinnings like asthma and diabetes Each chapter is written by clinicians with practical expertise with each disorder and includes Case studies with results from neuropsychological evaluations to elicit understanding into how a student's school functioning may be affected by their medical history Recommendations for educational modifications and accommodations Data regarding morbidity and mortality rates related medical issues and common medical treatments Interventions for

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