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BOOK REVIEW

Monograph ”Community-acquired pneumonia and children’s recurrent respiratory tract diseases”

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Printing-house of the Academy of Sciences of Moldova, Chisinau, 2015, 288 pages



The monograph is dedicated to the problem of global interest being found in the long-termed Global Program to reduce morbidity and mortality from childhood pneumonia (2013-2035) on salvation from death of every sick with pneumonia child under five years old. The World Health Organization, UNICEF, the World Bank, etc. are involved in pursuing these noble objectives.

The main purpose of the work is to improve diagnostics, management, treatment and recuperation program for patients with community-acquired pneumonia and recurrent respiratory tract disease through pursuing the following objectives:

- Promotion and standardization of research of childhood community-acquired pneumonia as a notion in the context of specialized international protocols and guidance;

- Identification of antenatal and postnatal risk factors of recurrent respiratory infection in children with community-acquired pneumonia at tender age;

-Evaluation of extensive implementation of modern methods of diagnostics within recognition and evaluation of immune system imbalance in risk groups with recurrent respiratory infection;

-Implementation of management and international treatment practice of community-acquired pneumonia within national plan on initial and hospital levels;

-Elucidation of results obtained through recuperation programs for children with community-acquired pneumonia and recurrent respiratory tract diseases within different risk groups;

The monograph "Community-acquired pneumonia and children's recurrent respiratory tract diseases" issued by associate professor, Doctor of Medical Science, Mrs. Ala Donos, is presented in 288 pages and contains 14 chapters, conclusions and practical guidelines, with bibliography of 298 sources, illustrated with 32 tables, 30 figures, 14 appendixes and 3 algorithm diagrams reflecting management, diagnostics and medical strategy in case of childhood community-acquired pneumonia.

The first chapters (1-5) are dedicated to ontogenesis of respiratory tract, summary peculiarities of fetus physiology, evaluating tests of pulmonic maturity, peculiarities of anatomical, functional development, clinical physiology of childhood respiratory, peculiarities of development and maturing of immune system during childhood.

Chapter 6 contains generalities on community-acquired pneumonia as one of the main reasons of childhood morbidity and mortality in the world. Here are also presented standard international definitions of community-acquired pneumonia and its classification for children.

Chapter 7 considers actual epidemiology and risk factors of community-acquired pneumonia, which threaten health and life of children. Hereunder are also represented epidemiological varieties of acute viral infections which are often the prerequisite of childhood pneumonia.

Chapter 8 takes notes on acute viral respiratory infections and their role in developing and evolution of community-acquired pneumonia. A separate paragraph here describes bacterial infection as an essential etiological factor. Pathogenesis is shown in the function of etiological factor.

Clinical presentation is delivered in the function of determining factors. The evaluation of medical case severity, establishing of diagnosis according to international requirements are presented. Special place is taken by management of community-acquired pneumonia on initial and hospital level.

In the following chapters there is detailed information on follow-on therapy, principles of empiric treatment and indications of medical assistance quality in community-acquired pneumonia. Here are found also typical errors in antibacterial treatment and preventive measures of childhood community-acquired pneumonia.

The second part of the monograph is dedicated to a child with risk of poor health and evolution of recurrent respiratory infection exposing cases of formation of the contingent of children.

Chapter 12 emphasizes characteristics of functional illness of immune system of a child with recurrent respiratory diseases.

The following two chapters presented evaluation of childhood health under the influence of risk factors, peculiarities of immune system modifications, therapy on immunity enhancement for children with recurrent respiratory diseases are described in detail.

Chapter 14 reflects importance of treatment and prophylaxis of viral infections, taking of antiviral actions of Pacovirina – locally produced preparation, treatment of infections with Herpes simplex virus, of immunomodulatory and interferon inducing preparations.

Conclusions and practical recommendations are well exposed and reasoned, correspond to the actual international strict principles and represent an argument in pursuing goals and objectives proposed by the author in the work. In the monograph are also reflected own data on the method of objectivization of forming a group of children with recurrent respiratory infection, principles of differential diagnostics with initial immune deficiencies, use of treatment and recuperation programs, as well as of the locally produced preparation Pacovirina.

I highly value the monograph and find it useful for pediatricians, family medical doctors, especially for medical students, interns and other doctors interested in childhood respiratory pathology from the viewpoint of new tactics on diagnostics, treatment, prophylaxis and recuperation programs.

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