

Acute Pneumonia: Current State of the Problem and Prospects for Its Solution

The World Health Organization (WHO) spent \$ 39 billion in 2010–2015 on the problem of acute pneumonia (AP) in children.^[1] If this expensive program had produced significant results, we would have known it from all the media. However, the results of this completed program are not advertised, and AP remains (again according to the WHO statistics) one of the leading causes of morbidity and mortality in all age groups.^[2]

The unsatisfactory content of global statistics can be attributed to the high proportion of developing countries on the common list. After all, it is well known that high levels of health care require high financial costs and social maturity of society, while financial, economic, and social problems in developing countries do not allow many medical achievements to be realized.

However, the paradox of the problem is that expert evaluation should raise more serious concerns about the results of AP treatment in developed countries. Against the background of success and achievements in various fields of medicine, the best health systems of advanced countries cannot prevent the continued increase in the number of purulent complications of AP and offer real solutions to the problem.

The proportion of patients with pleural complications of AP is characterized by stable growth over the past two decades in the US and Europe.^[3–6] High hopes for the so-called vaccination against pneumonia did not materialize. Moreover, contrary to expectations, the number of patients with pleural empyema increased statistically significantly after the beginning of total vaccination.^[7,8]

Moreover, the most sad and disturbing facts are not so much the current results of AP treatment, as the lack of convincing scientific explanations of observed trends and reasoned plans to address this problem.

I would like to draw your attention to the fact that the guaranteed prevention of purulent and destructive complications of AP is quite real, but its solution lies in another plane. This work was not only performed by the author of these lines but also

underwent clinical testing with excellent results. The study was originally published in Russian.^[9]

Only recently, the author developed time and facilities for the translation and publication of the results obtained in the English language. The interest in the offered materials and their demand in the publishing industry exceeded expectations. During the last year, a detailed description of the research was presented in a separate book,^[10] and parts of this work published in more than 20 articles. The main list of these publications is presented below.^[11–29]

However, numerous publications can only give an informational result and have no impact on the current process of care for patients with AP. Moreover, specific patients with AP and their relatives are not interested in the theoretical aspects of the problem, but only the immediate results of a rapid cure for this disease without any complications. Knowing about the real possibility to avoid purulent and destructive complications of AP, to reduce the time and cost of treatment of such patients, it is impossible to remain a passive observer.

It is important to note that the proposed AP doctrine and the resulting treatment approaches do not require the development of new drugs or significant additional funding. It is necessary only in accordance with the legislative requirements of specific government bodies and commissions to conduct the necessary testing and approval of other approaches to the treatment of AP and change the curriculum of training doctors in this section. The implementation of these plans will spread the gains already made, but the formal application of these results will require the assistance of specialists in administrative and legal work.

In this regard, this manuscript is an appeal to a wide range of professionals who have both direct and indirect relation to the problem of inflammatory lung diseases. The implementation of the proposed project is necessary primarily for future patients with an AP. That is why I very much count on professional support and real assistance in promoting this prospect.

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