

CURRENT TRENDS IN RESPIRATORY MEDICINE

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Abstract

Dynamic development of scientific and technological progress stimulates rapid change of trends in respiratory medicine. This requires careful analysis and comprehensive evaluation.

This article addresses the issues of implementation of personalized and highly precise medicine into health care on the example of economically developed countries.

The efficiency and practical importance of the implementation of several methods of molecular identification of pathogenic viruses and bacteria have been demonstrated.

A separate analysis of interrelations between infection control, antibiotic resistance, microbiome, air ecology and human health status has been conducted. The long- and short-term prognosis regarding the future of respiratory medicine has been presented..

The most urgent tasks of respiratory medicine fully coincide with the challenges which threat the humanity at present and require the utilization of highly precise and personalized medicine. Burden of environmental problems, especially air pollution, exhibits modifying effect on essential spheres of society life and attracts comprehensive attention and support on all social levels.

Key words: personalized medicine, molecular diagnostics, antibiotic resistance, microbiome, air ecology, pollutants.

Ukr. Pulmonol. J. 2017; 3: 57–60.

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