

# CURRENT APPROACHES TO RATIONAL ANTIBIOTIC THERAPY AND PROPHYLAXIS OF INFECTIOUS EXACERBATIONS OF OBSTRUCTIVE LUNG DISEASES

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## *Abstract*

The article is dedicated to the topical problem of therapy and prophylaxis of infectious exacerbations of asthma (A) and chronic obstructive pulmonary disease (COPD).

Today's literature data regarding pharmacodynamics of macrolide antibiotics, their advantages (combination of antibacterial, anti-inflammatory and immunomodulating effects) have been presented.

The rationale for use of bacterial lysates in complex management of A and COPD patients have been given. A special emphasis has been made on such effects as alveolar macrophages stimulation, increase of CD4 T-lymphocytes, peripheral mononuclears activation, increase of secretory IgA concentration in mucous membrane of respiratory tract, stimulation of adhesive molecules production and decrease of IgE blood level.

The recommendations for clinical use of Azithro SANDOZ® and Bronchomunal in treatment and prophylaxis of A and COPD and their exacerbations have been listed.

**Key words:** asthma, chronic obstructive pulmonary disease, infectious exacerbation, macrolides, bacterial lysates.

**Ukr. Pulmonol. J. 2014; 4:31–33.**

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