

# **ANTIBIOTIC RESISTANCE OF LOWER RESPIRATORY TRACT COMMON PATHOGENS AND THE METHODS OF ITS OVERCOMING USING LEVOFLOXACIN**

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**Summary.** The mechanisms of resistance and the prevalence of antibiotic resistant strains of *Streptococcus pneumoniae* and *Haemophilus influenzae* throughout the world are presented. It is emphasized that 9-year use of levofloxacin caused only insignificant appearance of resistant strains. Considering this fact, the antibiotic is nowadays a remedy of choice in majority of cases of lower respiratory tract infections.

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**Key words:** lower respiratory tract infections, *Streptococcus pneumoniae*, *Haemophilus influenzae*, antibiotic resistance, resistance, levofloxacin.