

ASSORTMENT OF ANTIBACTERIAL MEDICINES FOR THE TREATMENT COMMUNITY-ACQUIRED PNEUMONIA IN ADULTS AT THE PHARMACEUTICAL MARKET OF UKRAINE

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Community-acquired pneumonia refers to diseases that are of major medical and social importance. The disease is characterized by high prevalence and high mortality among children and adults, as well as high costs of treatment.

The aim of research – to analyze the assortment of antibacterial medicines for the treatment of community-acquired pneumonia in adult at the pharmaceutical market of Ukraine in 2018.

The data of the company Morion information system “Pharmexplorer” (December 2018) was used for analyze of the assortment and the retail packaging prices of medicines of the groups of penicillins, cephalosporins, carbapenems, aminoglycosides, macrolides, fluoroquinolones, tetracyclines and antibacterial medicines of different groups (vancomycin, rifampicin, linezolid and clindamycin) in Ukraine.

The 35 international non-proprietary names and 576 trade names (TN) of antibacterial medicines which are used to treat community-acquired pneumonia in adult were presented at the pharmaceutical market of Ukraine in 2018. Cephalosporins were represented by the largest number of trade names (174 TN), tetracyclines – by the smallest number of trade names (9 TN). The share of medicines produced in Ukraine is 37 % (215 TN). Medicines of Ukrainian manufacturers prevailed only in the group of aminoglycosides, medicines of foreign manufacturers prevailed in the other groups of the studied antibacterial medicines.

Antibacterial medicines were presented in Ukraine in various forms of release: tablets, capsules, powders for the preparation of injections and infusions, lyophilisate for the preparation of solution for injections, concentrate for solution for infusions, powders for the preparation of oral suspension, granules for the preparation of suspensions.

The price range for their packaging was wide for the choice of the medicines to patients with different solvency: penicillins – from 6.16 UAH to 2437.73 UAH, cephalosporins – from 8.54 UAH to 1633.52 UAH, carbapenems – from 192.69 UAH to 6653.40 UAH, aminoglycosides – from 23.72 UAH to 568.21 UAH, macrolides – from 7.72 UAH to 691.06 UAH, fluoroquinolones – from 11.85 UAH to 2240.00 UAH, tetracyclines – from 9.30 UAH to 163.03 UAH, vancomycin medicines – from 142.00 UAH to 1938.31 UAH, rifampicin medicines – from 19.85 UAH to 23.90 UAH, linezolid medicines – from 16.26 UAH to 7489.48 UAH, clindamycin medicines – from 42.30 UAH to 289.10 UAH.

Thus, antibacterial drugs, which are used to treat community-acquired pneumonia in adult, were presented in Ukraine in 2018 in a wide assortment, mainly foreign manufacturers and had a wide range of prices for packaging.