

RESEARCH OF STATINS ASSORTMENT IN THE PHARMACEUTICAL MARKET OF UKRAINE

Bogatyrchuk L. P., Tkachova O. V.

National University of Pharmacy, Kharkiv, Ukraine

ph-econom@nuph.edu.ua

Introduction. According to WHO data every year from cardio vascular disease (CVD) 17 millions of people dies. According to the date of Ministry of Health of Ukraine from strokes and heart attacks every year 400 thousand Ukrainians dies. In Ukraine the mortality rate from CVD is about 67%, it is the highest rate in the world. 80% of deaths from CVD could be avoided by means of timely treatment and prevention. An important risk factor for CVD is hypercholesterinemia. The main drugs for its correction are statins.

The aim of research. Analysis of the assortment of statins in the pharmaceutical market during 2012–2015.

Materials and methods. For the analysis information of retrieval «Pharmstandard» system was used, which allows us to analyze INNs, manufacturers, assortment, average retail prices of medicines in a given years.

Results and discussion. Statins for years of creation and entering in the pharmaceutical market can be divided into four generations. Statins I generation – lovastatin, pravastatin, simvastatin, II generation – fluvastatin, III generation – atorvastatin, cerivastatin, IV – rosuvastatin, pitavastatin. Last drugs, unlike other statins, act in minimal doses 1–4 mg and do not react with cytochrome P₄₅₀ in the liver, so it is safer than other.

During 2012-2015 years the main part of the range of statins was foreign and consisted of 82-87%. The range of drugs gradually increased, starting from 133 trade names (TNs) in 2012 to 153 TNs – in 2015. The prices of statins were increased gradually every year starting from 3.13 UAH in 2012 to 1772.82 UAH in 2015. In 2015 on the basis of 6 INNs of statins (simvastatin, lovastatin, fluvastatin, atorvastatin, rosuvastatin, pitavastatin) 153 TNs were presented in the pharmaceutical market of Ukraine. Among them 28 TNs are drugs of domestic manufacturers and 125 TNs of foreign manufacturers. Prices for drugs varied over a wide range from 7 UAH to 1773 UAH. In 2015 were 44 producers. In the pharmaceutical market mostly was presented by atorvastatin (74 TNs of 27 manufacturers).

Conclusions. Statins in the pharmaceutical market of Ukraine presented in a wide range with a wide range of prices for the package, which allows the choice of drug based on their efficacy, safety and financial capacity of patients.