

RESEARCH ASSORTMENT OF STATINS IN THE PHARMACEUTICAL MARKET OF UKRAINE IN 2013-2016

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Introduction. According to WHO data every year from cardiovascular disease (CVD) 17 million people die. According to the data of the Ministry of Health of Ukraine from heart attacks each year, 400 thousand Ukrainians die. In Ukraine the mortality rate from CVD is about 67% it is the highest 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 hyperlipidemia. The main drugs for its correction are statins.

The aim of research. Analysis of the assortment of statins in the pharmaceutical market during 2013–2016.

Materials and methods. For the analysis information of retrieval «Pharmstandard» system was used, which allows to analyze INN, manufacturer, assortment, average retail prices of medicines.

Results and discussion. Statins for years of creation and entering in the pharmaceutical market can be divided into four generations: I generation – lovastatin, pravastatin, simvastatin, II generation – fluvastatin, III generation – atorvastatin, cerivastatin, IV – rosuvastatin, pitavastatin. Last statin, unlike other statins, acts in minimal doses 1–4 mg and does not react with cytochrome P450 in the liver, so it is safer than other. During 2013-2016 years the main part of the range of statins was foreign and consisted of 82-86%. The range of drugs gradually increased, starting from the 144 trade names (TN) in 2013 to 172 TN – in 2016. The prices for statins were increased gradually every year starting from 4.59 UAH. – in 2013 to 1604.85 UAH – in 2016. In 2016 on the basis of 6 INN of statins (simvastatin, lovastatin, fluvastatin, atorvastatin, rosuvastatin, pitavastatin) 172 TN were presented in the pharmaceutical market of Ukraine. Among them 29 TN of domestic manufacturers and 143 TN of foreign. Prices for statins varied over a wide range from 9 UAH to 1605 UAH. Number of producers in 2016 was 33 from 18 of countries. Pharmaceutical market mostly was submitted atorvastatin – 79 TN (46%) 21 manufacturers.

Conclusions. Statins in the pharmaceutical market of Ukraine presented in a wide range (6 INN, TN 144-172), 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. The 48.4% TN presented on the basis of the atorvastatin INN, having sufficient evidence and high efficiency.