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ANALYZING ASSORTMENT OF ANTIBIOTICS AND ANTIBACTERIAL MEDICINAL FORMS IN THE PHARMACEUTICAL MARKET OF THE REPUBLIC OF UZBEKISTAN

The doctrine (science) of antibiotics is a relatively young synthetic branch of modern natural science. A little more than 60 years have passed since the time when for the first time in 1940 a remarkable chemotherapeutic agent of microbial origin was obtained in crystalline form – penicillin, which opened the era of antibiotics¹.

Currently, antibiotics are the most prescribed drugs in the world. Antibiotics are practically prescribed by physicians of all specialties².

What are the main reasons of such a rapid increasing number of antibiotics? We can tell about following:

- many antibiotic substances or products of their modification are indispensable medicinal preparations widely used for infectious diseases that were previously considered incurable or accompanied by a high lethal outcome³;

- in recent years the etiological structure of infectious diseases has changed significantly. The number of species of bacteria causing infectious diseases has increased, and now it reaches about 3000 names;

- antibiotics are substances that are also necessary in agriculture, primarily as therapeutic drugs in livestock, poultry, bee-keeping and plant growing, and individual antibiotic substances – as growth stimulants for animals⁴;

- with the widespread using antibiotics as therapeutic drugs, there is a rapid accumulation of forms of microorganisms resistant to these compounds. The problem of resistance of microorganisms poses the task of replacing some antibiotics with others, i.e. search for new, more effective antibiotic substances⁵;

¹ Egorov N.S. The Foundations of the Doctrine of Antibiotics. – L.: – Moscow, – 2004.

² Kukes V.G. Clinical Pharmacology. – L.: GEOTAR – Media, – 2008.

³ Egorov N.S. The Foundations of the Doctrine of Antibiotics. – L.: – Moscow, – 2004.

⁴ Ibid. – 2004.

⁵ Ibid. – 2004.

– as a result of chemical modification of natural antibiotics, there have been obtained tens of thousands of semi-synthetic preparations, many of which are of great practical interest¹;

– studying the ways of antibiotic formation promotes deep penetration into the mechanism of the synthetic activity of the ingredients of these biologically active compounds, revealing the main stages of their metabolism²;

In order to study the assortment of antibiotics and antibacterial drugs in the pharmaceutical market of Uzbekistan, there has been conducted an analysis of antibiotics on the basis of the State Register of Drugs and Medical Products of Uzbekistan for the last 3 years.

Nowadays, in the Republic of Uzbekistan there has been registered more than 800 names of antibiotics and more than 300 names of antibacterial drugs. This number is growing every year. Each year the number of registered titles increases in the middle by 50 names. This applies to foreign and locally produced drugs. The nomenclature of registered antibiotics produced by domestic producers and producers of foreign countries and CIS countries in 2015 is 783 names, in 2016, there were 845 names and in 2017, there were 883 names respectively.

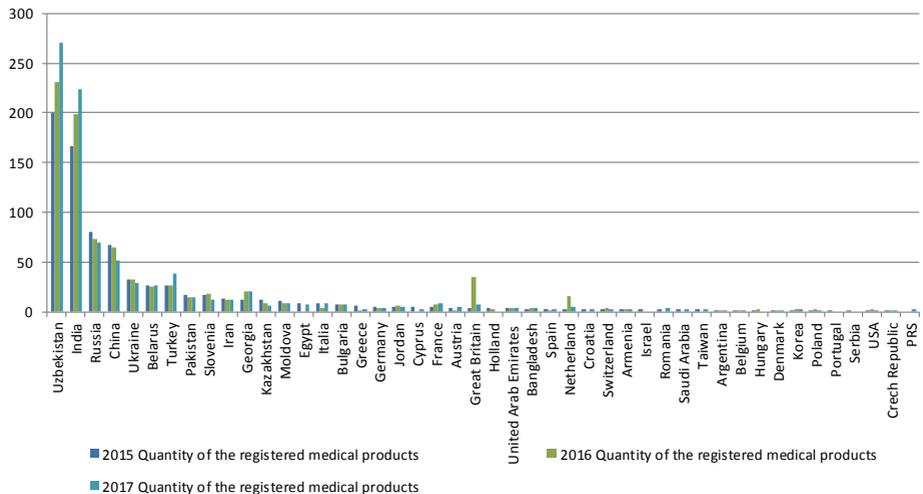


Figure 1. Analyzing assortment of registered antibiotics in the Republic of Uzbekistan

As it can be seen in the diagram, the main share of registered antibiotics comes from antibiotics produced in the Republic of Uzbekistan and India, and the number of registered antibiotics is increasing every year, as well as

¹ Egorov N.S. The Foundations of the Doctrine of Antibiotics. – L.: – Moscow, – 2004.

² Ibid. – 2004.

antibiotics, the great number of antibacterial drugs registered in Uzbekistan is related to India and domestic producers.

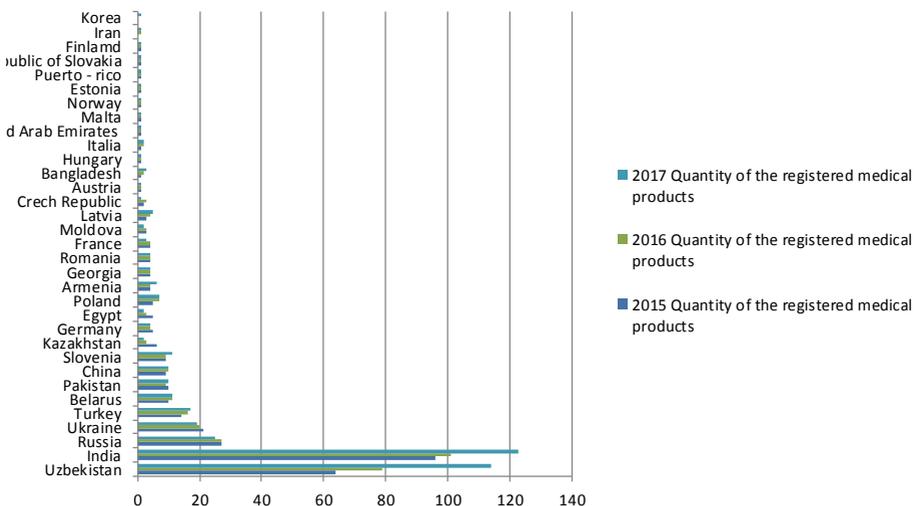


Figure 2. Analyzing assortment of antibacterial preparations registered in the Republic of Uzbekistan

Of the nine groups of antibiotics, the production of cephalosporin is currently leading in the world. In the diagrams below it can be seen that the group of cephalosporin registered in the Republic of Uzbekistan occupies a major share. When studying pharmacological groups of antibacterial preparations, the leading position is occupied by fluoroquinolones and every year the number of registered fluoroquinolones in Uzbekistan increases on average by 12 names in foreign countries and in the CIS countries, and by 22 names from domestic producers.

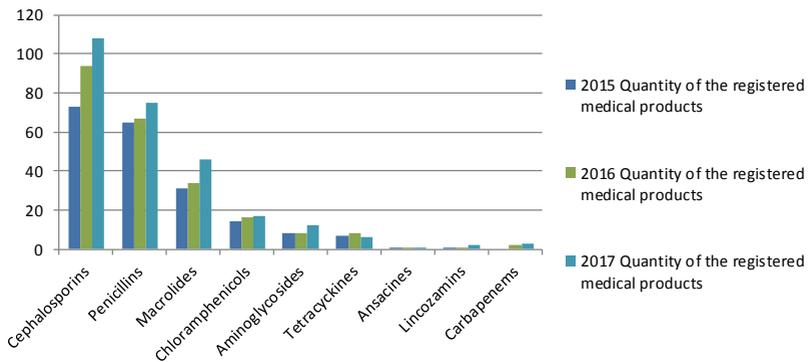


Figure 3. Analyzing registered antibiotics produced in the Republic of Uzbekistan

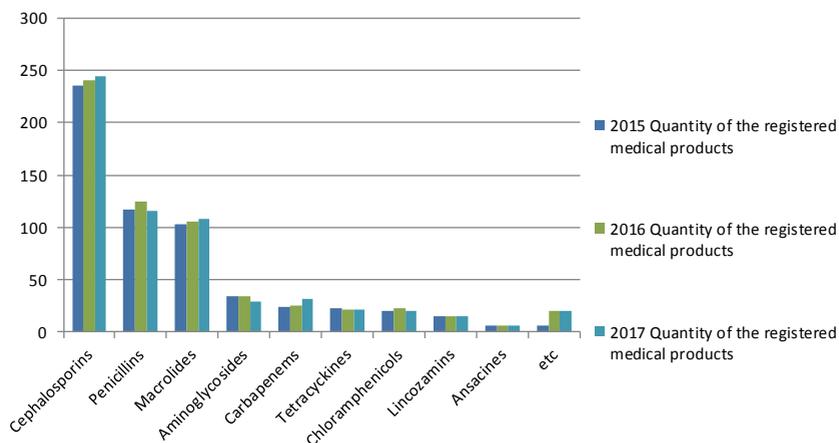


Figure 4. Analyzing registered antibiotics produced in foreign countries and in the CIS countries

Analyzing antibiotics according to the International Nonproprietary Name (INPN), produced in foreign countries and in the CIS countries, combined medicinal preparations have the leading place, which in 2013 there were 83 names, in 2016, there were 128 names, in 2017, there were 122 names. The majority of registered antibiotics produced by domestic manufacturers was ampicillins in 2015 (25 names), in 2016–2017, combined preparations (including 29 in 2016 and 45 in 2017).

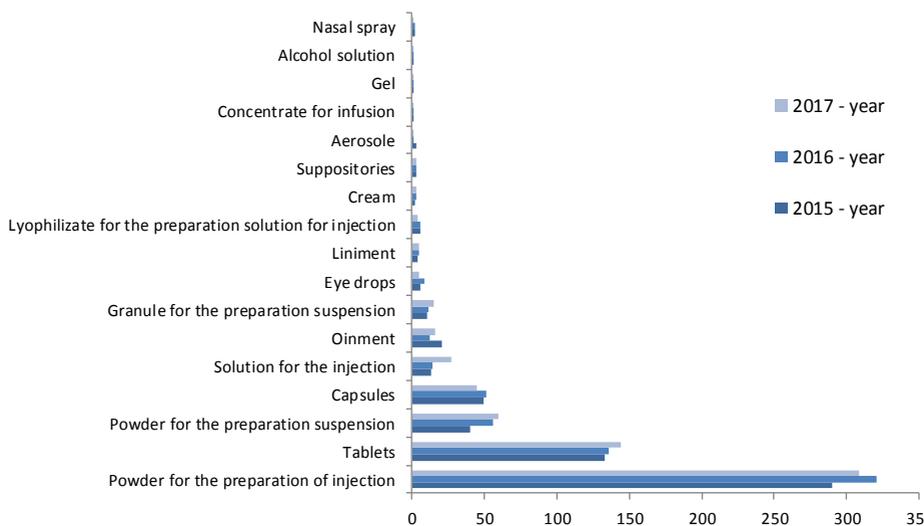


Figure 5. Analyzing medicinal forms of foreign countries and the CIS countries

According to international non-proprietary names of antibacterial preparations, the largest number of registered in Uzbekistan antibacterial preparations produced by manufacturers of foreign countries and CIS countries are levofloxacin, and among domestic manufacturers ciprofloxacin are leading. In the analyzing antibiotic drug forms, injectable powders and tablets are leading.

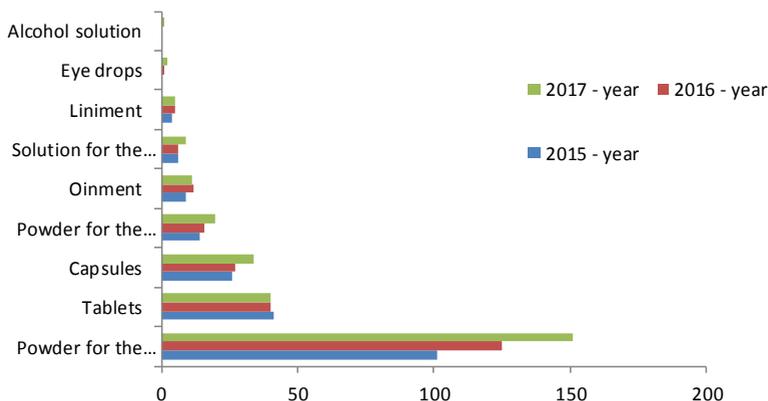


Figure 6. Analyzing medicinal forms of domestic manufacturers

Antibacterial drugs have a major share of tablets.

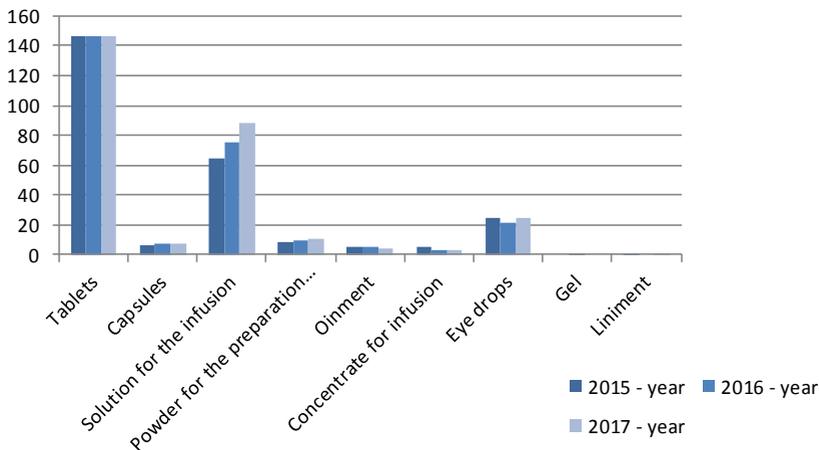


Figure 7. Analyzing medicinal forms of foreign countries and the CIS countries

Thus, as a result of analysis there has been revealed:

- In the Republic of Uzbekistan more than 1000 names of antibiotics and antibacterial medicinal products from 46 countries are registered. Of these, more than 50 percent are of European production.

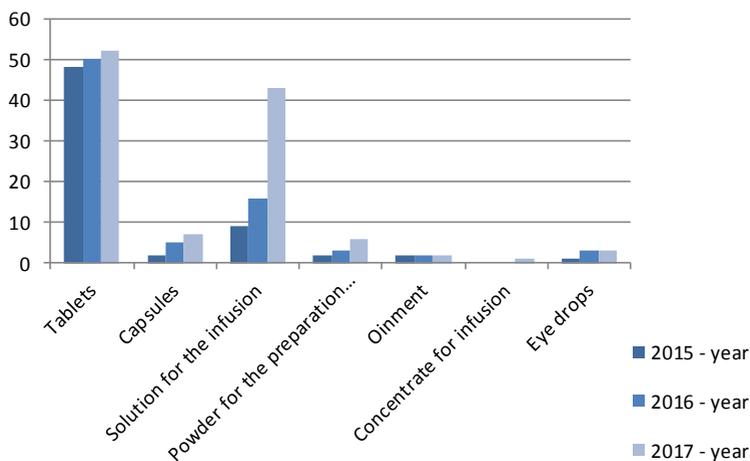


Figure 8. Analyzing medicinal forms of domestic manufacturers

– During the last three years, the number of registered antibiotics and antibacterial drugs has been increasing by an average of 50 names per year. Domestic producers have an average of 30 names per year.

– Analyzing pharmacological groups of antibacterial medicinal drugs from domestic manufacturers shows the absence of the oxazolidinone group.

– When analyzing antibiotics according to INPN, foreign countries and CIS countries have 56 names, domestic producers have 30 names. Domestic manufacturers have no antibiotics such as capriomycin, cefsapine, cefdinir, cefaxim, cycloserine, zhozamycin, midecamycin, cefibuten, tobramycin, phosphamycin, etc.

References:

1. Egorov N.S. The Foundations of the Doctrine of Antibiotics. – L.: – Moscow, – 2004.
2. Kukes V.G. Clinical Pharmacology. – L.: GEOTAR – Media, – 2008.
3. Vasnetsova O.A. Medical and pharmaceutical commodity research. – L.: – Moscow, – 2016.

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