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CURRENT STATE OF DIURETICS IN THE REPUBLIC OF UZBEKISTAN

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Introduction: Diuretics, or diuretics, are a group of drugs that allow you to remove excess fluid from the body, along with salts, medicinal and toxic substances. This group of drugs can be used for various etiologies: diseases of the cardiovascular system, kidney and liver diseases. Diuretics may vary in both mechanism and potency. It should be noted that diuretics of plant origin have a number of advantages: they have a mild and relatively safe effect, rarely disturb the acid-base and electrolyte balance, are not addictive, and allergic reactions rarely develop. [2,3] The following diuretics based on medicinal plant raw materials (MPS) are mainly common in our republic: horsetail, woolly erva (pol-pol). These plants contain a wide range of biologically active substances (BAS), including flavonoids, which, according to literature data, largely determine the diuretic effect of medicinal plants.

The purpose of the work is to study the market of diuretics registered in the Republic of Uzbekistan by year, pharmacotherapeutic groups, dosage forms and manufacturing countries.

Materials and methods: State Register data, structured content analysis.

Results: The range of diuretics registered in the Republic of Uzbekistan in 2023 is represented by 82 items, of which 39% are drugs from foreign manufacturers, 12% are from manufacturers in the CIS countries and 49% are from domestic manufacturers. (Fig. 1)

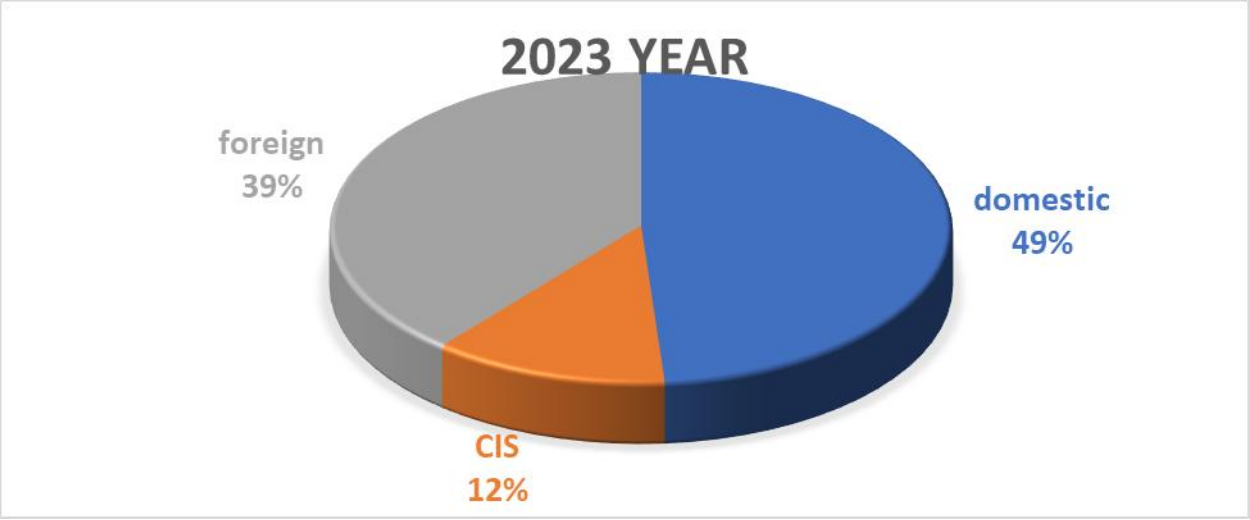

Figure 1. The breadth of the range of diuretics in 2023.

A comparative assessment of the range of diuretics registered in the Republic of Uzbekistan did not reveal a significant increase in the number of assortments over the past 3 years. (Fig. 2)

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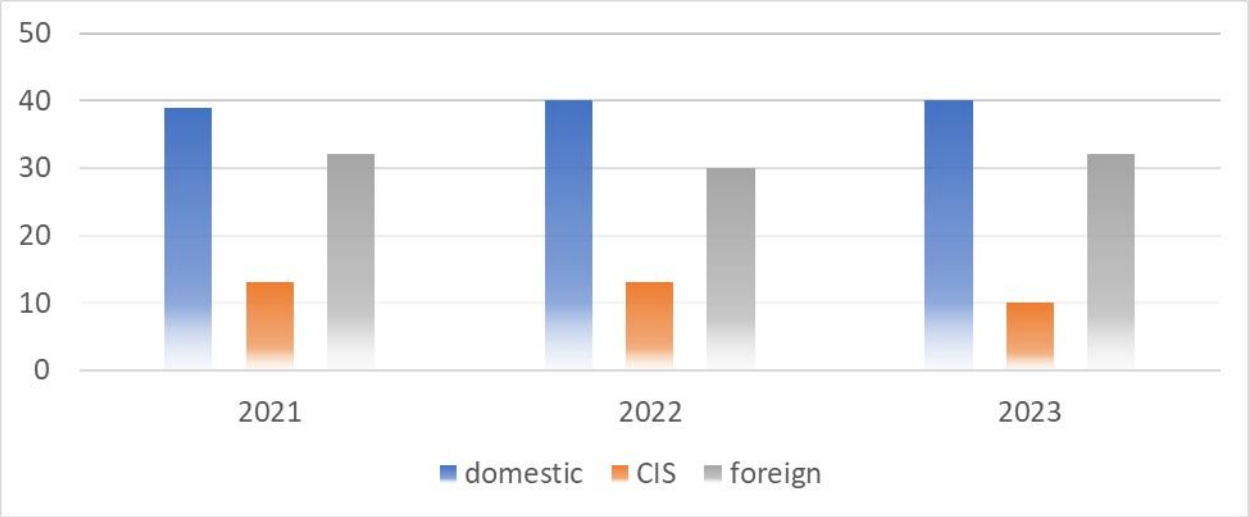

It should be noted that when analyzing the range of diuretics registered in the Republic of Uzbekistan for 2023, the following was revealed: 46% of the total number of drugs are mainly tablets, 35% are parenteral drugs, 12% are medicinal plant raw materials, 6% are capsules and 1% - tablets.

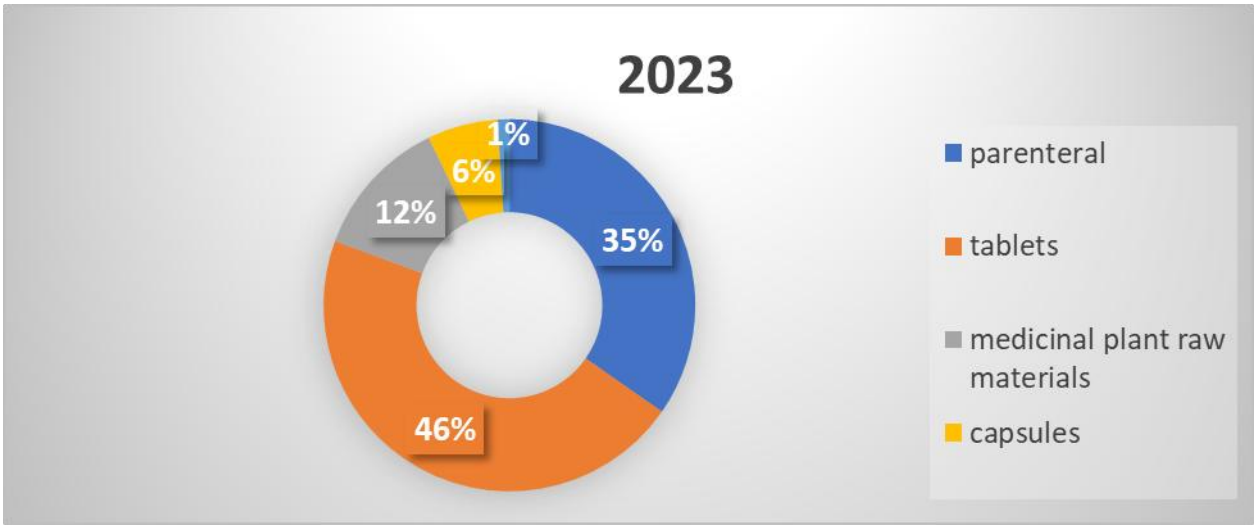

Figure 3. Analysis of the range of diuretics registered in the Republic of Uzbekistan in 2023.

An analysis of the registration of the assortment by year showed that the largest number of drugs falls on Uzbekistan - 40 drugs (49%). Of the CIS countries, Belarus accounts for 7 drugs (8.5%). Among foreign manufacturers, India – 7 drugs (8.5%), Poland – 6 drugs (7%), Germany and Turkey – 5 drugs each (12%). Among other countries, it is important to note Ukraine, Hungary, the Czech Republic, Turkey, Slovenia and Italy. (Fig. 4)

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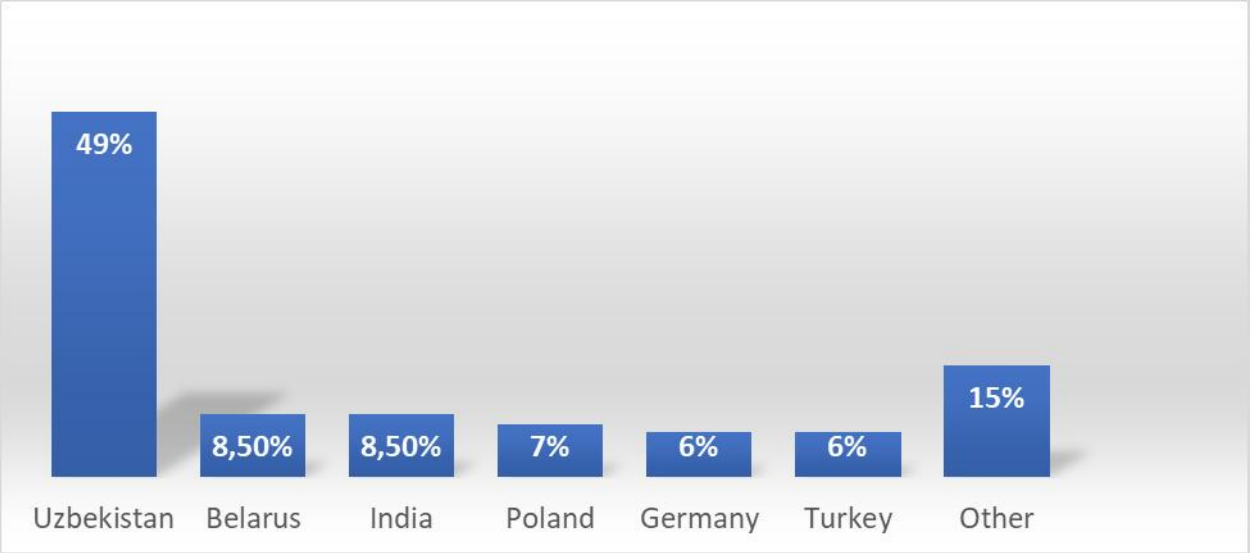

Figure 4. Analysis of registered diuretics by year.

Conclusions: Thus, a study of the data from the "State Register of Medicines, Medical Products and Medical Equipment Approved for Use in Medical Practice of the Republic of Uzbekistan" showed that domestic manufacturers account for 40 items, CIS countries – 10 items, and foreign manufacturers – 32 names. Also, when analyzing the range of diuretics, a relatively small number (12%) of drugs based on medicinal plant raw materials (MPS) were identified. It is advisable to search for new medicinal plants to develop highly effective and harmless diuretics.

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