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DYNAMICS OF THE REGISTRATION OF ANTI-INFLAMMATORY MEDICATIONS FOR THE PERIOD 2022-2025

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Ismailov A.A
Jabbarova Sh.A
Pulatova D.R

¹*Tashkent Pharmaceutical Institute, Tashkent, Republic of Uzbekistan*

²*Tashkent State Medical University, Tashkent city, Republic of Uzbekistan*

Analysis of the diversity of pharmacological groups of anti-inflammatory medications, determination of their future prospects, analysis of the range of medications used in the treatment of inflammatory diseases, requires marketing research in the pharmaceutical market.

The results of the analysis show that the position of inclusion of this group of medicines in the state register showed an increase only in the number of medicines of domestic manufacturers. It is noteworthy that in 2022, the number of anti-inflammatory medications registered by domestic manufacturers of pharmaceutical enterprises in the Republic of Uzbekistan amounted to 204 different trade names, and in 2025, this number increased and 246 different medications were included in the state register.

Based on the foregoing, it should be noted that the development of anti-inflammatory medications by domestic manufacturers based on natural raw materials and the provision of the population with highly effective and affordable medicines has shown its relevance today.

Keywords: *medicines, anti-inflammatory, registration, State Register, foreign, local*

which begins with the registration of medicines[1-9].

Current relevance Currently, the specifics of the pharmaceutical market are associated with its rapid development. Every year, new medicines, diagnostic tools, and medical equipment produced by foreign and domestic enterprises are registered in the register of medicines, since one of the most important stages in organizing the provision of medicines is the assortment policy, the first stage of

Analysis of the diversity of pharmacological groups of anti-inflammatory medications, determination of their future prospects, analysis of the range of medications used in the treatment of inflammatory diseases, requires marketing research in the pharmaceutical market[10-16].

Purpose of the work Study and



analysis of anti-inflammatory medications registered in the State Register of Uzbekistan in 2022-2025.

Experimental part During the research, the State Register of Medicines, Medical Devices and Medical Equipment Approved for Use in Medical Practice of Uzbekistan No. 26 - 2022, No. 27 - 2023, No. 28 - 2024, No. 29 - 2025 was used. The research was conducted according to the diversity of these medications by manufacturers, dosage forms used, and the source of the main active ingredient[17].

OBTAINED RESULTS

According to the collected literature data, a study and analysis of choleric medications registered in the State Register of Uzbekistan in 2022-2025 were conducted, taking into account the enterprises producing anti-inflammatory medications and their dosage forms in the pharmaceutical market of Uzbekistan. "The State Register of Medicines, Medical Devices and Medical Equipment Approved for Use in Medical Practice of

Uzbekistan was used in the research. Studies were conducted according to the countries of origin, dosage forms, and main active biologically active substances of this group of medicinal products, their sources, and status.

According to the data obtained from the State Register, including enterprises producing anti-inflammatory medications and medicinal forms currently registered in Uzbekistan, in 2022 they were registered in 794 trade names, in 2023 - in 746 trade names, in 2024 - in 683 trade names, in 2025 - in 655 trade names. These indicators indicate a wide range of anti-inflammatory medications, but at the same time, it turned out that the dynamics of registration is decreasing. The registered trade names belong to foreign countries, CIS countries, and local manufacturers. The results of the analysis of the assortment of medications with anti-inflammatory activity were systematized and presented in Table 1 and Figure 1.

Table 1

Analysis of registered anti-inflammatory medications in the Republic of Uzbekistan by country of origin as of 2022-2025

Years	2022		2023		2024		2025	
	quantity	%	quantity	%	quantity	%	quantity	%
Total amount	794	100	746	100	683	100	655	100
Local	204	25.8	224	30.0	20	2.9	24	3.7



		5.7		0	2	9.6	6	7.5
CIS	101	1	84	1	80	1	82	1
		2.7		1.3		1.7		2.5
Foreign	489	6	438	5	40	5	32	5
		1.6		8.7	1	8.7	7	0

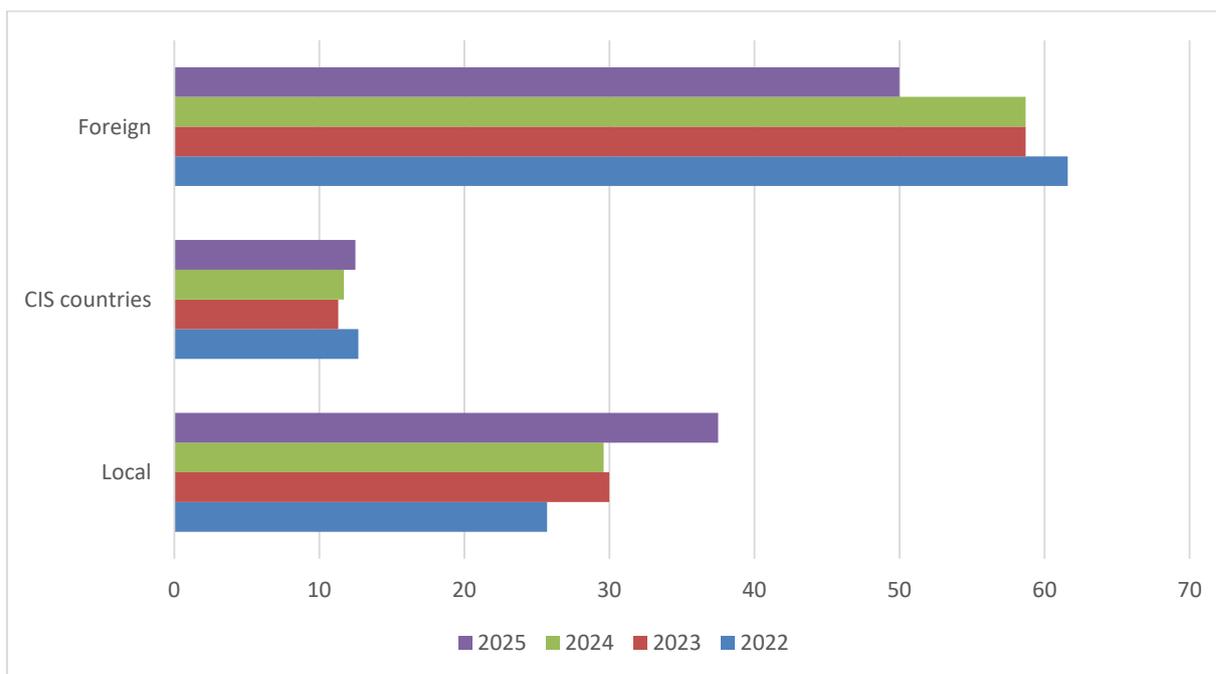


Figure 1. Analysis of registered anti-inflammatory medications in the Republic of Uzbekistan by country of origin as of 2022-2025

The results of the analysis show that the position of inclusion of this group of medicines in the state register showed an increase only in the number of medicines of domestic manufacturers. It is noteworthy that in 2022, the number of anti-inflammatory medications registered by domestic manufacturers of pharmaceutical enterprises in the Republic of Uzbekistan amounted to 204 different trade names, and in 2025, this number increased and 246 different medications were included in the state register. According to the results of the analysis of the CIS countries, the census showed a decline. There has also been a decrease in the import of anti-inflammatory medications from foreign countries.

Table 2

Analysis of the range of registered anti-inflammatory medications of the Republic of Uzbekistan by dosage forms as of 2022-2025

Dosage form	2022		2023		2024		2025	
	Amount	%	Amount	%	Amount	%	Amount	%



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Total amount	794	1	746	1	6	1	6	1
Injection	168	2	179	2	1	2	1	2
Tablet	192	2	183	2	1	2	1	2
Gel	101	1	91	1	7	1	5	9
Capsule	34	4	30	4	2	4	3	5
Suspension	40	5	34	4	2	4	2	4.
Candles	37	4	28	3	2	4	2	4.
Powders	36	4	39	5	3	5	4	7.
Ointment	39	4	36	4	3	4	1	2.
Cream	33	4	31	4	2	3	1	2.
Medicinal plant raw materials	14	1	10	1	7	1	4	0.
Eye drops	33	4	26	3	2	3	2	4.
Granule	20	2	21	2	1	2	1	2.
Solution	17	2	15	2	1	2	1	2.
Spray	15	1	13	1	1	2	8	1.
Plaster	6	0	6	0	4	0	7	1.
Tincture	2	0	2	0	2	0	2	0.
Syrup	3	0	1	0	1	0	2	0.
Pencil	1	0	1	0	1	0	-	



Oil	3	0	-	0	-	0	-	
Pastilla	1	0	1	0	1	0	1	0.
		.3		.12		.106	2	

The effectiveness of anti-inflammatory medications, in particular, depends on the convenience of the dosage form, which determines the consumer properties of the drug. According to the analysis of the assortment of anti-inflammatory agents registered in the Republic of Uzbekistan by dosage forms, they consisted of injection solutions, tablets, gel, capsules, medicinal plant raw materials, suspensions, suppositories, powders, ointments, creams, eye drops, granules, solutions, sprays, plasters, tinctures, syrups, cuttings, oils, pastries (Table2).

Table 3

Quantitative characteristics of anti-inflammatory medications by source

	2022		2023		2024		2025	
	A mount		Am ount	%	Am ount	%	A mount	%
Total amount	794	00	746	100	683	100	655	100
Based on plant materials	34	.3	24	3.2	17.	2.5	16	26.5
Based on non-vegetable raw materials	760	5.7	722	96.8	666	97.5	639	97.5



Figure 2. Quantitative characteristics of anti-inflammatory medications by source

It has been established that the majority of anti-inflammatory preparations registered in the Republic of Uzbekistan anti-inflammatory preparations are non-vegetable preparations, the main active ingredient of which is synthetic, and they make up an average of 95-97% of preparations. Based on the foregoing, it should be noted that the production of anti-inflammatory medications based on medicinal plants, which are natural raw materials, by domestic manufacturing enterprises shows the need. Quantitative characteristics of anti-inflammatory medications depending on their source are presented in Table 3 and Figure 2

Table 4

Analysis of anti-inflammatory plant-derived medicinal products by dosage form for 2025

o	Dosage forms	Amou nt	%
.	Medicinal plant raw materials	4	25
.	Tablet	2	12.5
.	Tincture	2	12.5
.	Gel	2	12.5
.	Ointment	1	6.25
.	Capsule	1	6.25



.			5
.	Plaster	1	6.2
.			5
.	Injection	1	6.2
.			5
.	Syrup	1	6.2
.			5
0.	Suppositories	1	6.2
			5

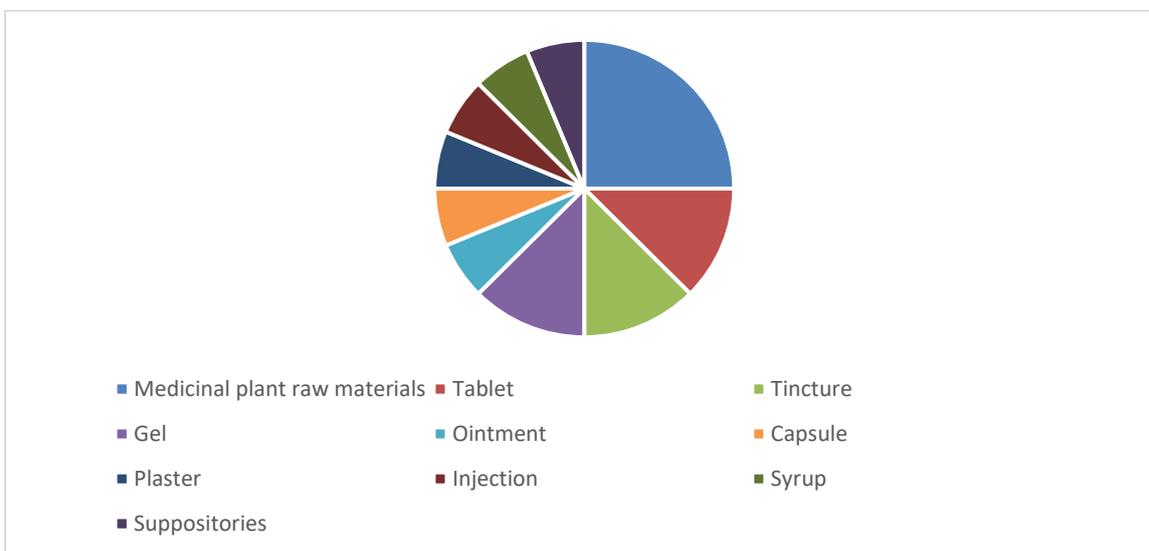


Figure 3. Analysis of anti-inflammatory medications of plant origin by dosage form for 2025.

When analyzing the dosage forms of anti-inflammatory medications obtained from plants in 2025, the State Register of Medicines of the Republic of Uzbekistan showed the presence of the following dosage forms obtained on the basis of medicinal plant raw materials: medicinal plant raw materials, tablets, tinctures, gels, ointments, capsules, plasters, injectable solutions, syrups, suppositories.

CONCLUSION

It was established that the majority

of anti-inflammatory medications registered in the republic were imported, and 95% of them were medications obtained by synthesis of the main active substance. Based on the foregoing, it should be noted that the development of anti-inflammatory medications by domestic manufacturers based on natural raw materials and the provision of the population with highly effective and affordable medicines is currently relevant.



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