



ID 145050

STUDY OF THE PHARMACEUTICAL MARKET OF NOOTROPIC MEDICINES AND AWARENESS OF PHARMACISTS FOR THE PHARMACOTHERAPY OF COGNITIVE DISORDERS DURING WARTIME IN UKRAINE

RWD107

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OBJECTIVES: In Ukraine, the number of people living in chronic stress due to the war is increasing. In 2023, more than 117,000 Ukrainians received psychological help in mental health centers. It has been established that worsening of cognitive impairment is more often diagnosed, so there is a need for good rational pharmacotherapy. Nootropic drugs are increasingly being used to restore and improve cognitive function. In 2021 the world market of nootropics was estimated at almost 1.69 billion US dollars, experts predict, that in 2030 it will amount to 33.85 billion dollars.

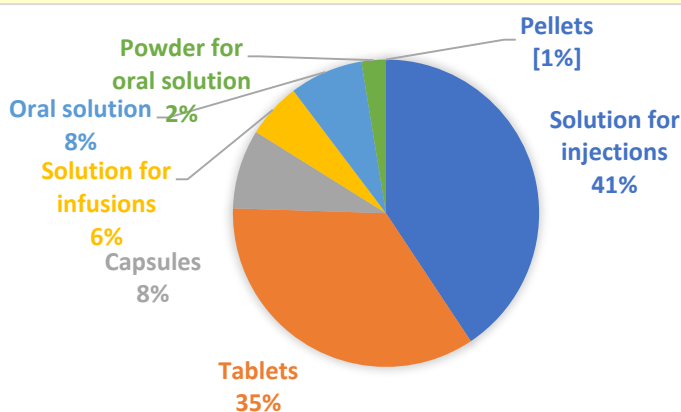
METHODS: marketing research, questioning, forming a sample of expert pharmacists, data analysis.

RESULTS : We researched the Ukrainian pharmaceutical market nootropic drugs has the registration of 156 trade names 12 countries that correspond to 17 INN as of March 2024. The research showed that 95 drugs are Ukrainian producers (24 manufacturers), 61 licenses are foreign producers (20). It was established that the leaders among foreign producers are: Spain - 9.6%, Latvia and Italy (5.8%), Hungary - 5.1%. Preparations produced by Poland, Bulgaria and Turkey make up 0.64%.

ATC group N 06B X "Various psychostimulants and nootropics, 2024



Assortment of drugs from ATC group N06B X "Various psychostimulants and nootropics" - dosage forms, 2024



No	Country of manufacture	Absolute number	%	Number of manufacturers	%
1.	Ukraine	95	60,89	24	54,55
2.	Spain	15	9,62	2	4,55
3.	Latvia	9	5,77	1	2,27
4.	Italy	9	5,77	5	11,36
5.	Hungary	8	5,13	2	4,55
6.	India	6	3,85	3	6,82
7.	Romania	5	3,21	2	4,55
8.	Austria	4	2,56	1	2,27
9.	Belgium	2	1,28	1	2,27
10.	Bulgaria	1	0,64	1	2,27
11.	Poland	1	0,64	1	2,27
12.	Turkey	1	0,64	1	2,27
Total		156	100,0	44	100,0

A questionnaire was also conducted among 125 pharmacists about their awareness of pharmacotherapy with nootropic drugs. Pharmacists indicated that piracetam and phenylpiracetam are only presented by foreign producers reducing the availability of therapy, and pirithynol is absent in the Ukraine market in 2023-2024

88,9% need to renew knowledge of the theme of potential interactions

96% need to know if there are teratogenic or fetotoxic effects during using of nootropics by pregnant women

77,6% of interviewed pharmacists indicated that patients buy themselves biologically active additives that include gingo biloba, magnesium

CONCLUSIONS: There are 90% of nootropic drugse monocomponent, therefore, there is a need to implement combined mmedicines in Ukraine that will have increasing economic availability. There is an informational need for pharmacists to renew knowledge due to neurological diseases for good pharmaceutical care in wartime.