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НАЦІОНАЛЬНИЙ ФАРМАЦЕВТИЧНИЙ УНІВЕРСИТЕТ

**TOPICAL ISSUES OF NEW MEDICINES
DEVELOPMENT**

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Topical issues of new medicines development: матеріали XXVI Міжнародної науково-практичної конференції молодих учених та студентів (10-12 квіт. 2019 р., м. Харків). – Харків: НФаУ, 2019. – 504 с.

Збірка містить матеріали науково-практичної конференції молодих учених та студентів «Topical issues of new medicines development», які згруповано за провідними напрямками науково-дослідної та навчальної роботи Національного фармацевтичного університету. Розглянуто теоретичні та практичні аспекти синтезу біологічно активних сполук і створення на їх основі лікарських субстанцій; стандартизації ліків, фармацевтичного та хіміко-технологічного аналізу; вивчення рослинної сировини та створення фітопрепаратів; сучасної технології ліків та екстемпоральної рецептури; біотехнології у фармації; досягнень сучасної фармацевтичної мікробіології та імунології; доклінічних досліджень нових лікарських засобів; фармацевтичної опіки рецептурних та безрецептурних лікарських препаратів; доказової медицини; сучасної фармакотерапії, соціально-економічних досліджень у фармації, маркетингового менеджменту та фармакоекономіки на етапах створення, реалізації та використання лікарських засобів; управління якістю у галузі створення, виробництва й обігу лікарських засобів; інформаційних технологій у фармації та медицині; основ педагогіки та психології; суспільствознавства; філології.

Для широкого кола наукових і практичних працівників фармації та медицини.

Book of Abstracts includes materials of Scientific and Practical Conference of Young Scientists and Students «Topical issues of new medicines development». Materials are grouped according to the main directions of scientific, research and educational work of the National University of Pharmacy. Theoretical and practical aspects of the synthesis of biologically active compounds and development of medicinal substances on their basis; standardization of drugs, pharmaceutical and chemical-technological analysis, the study of raw materials and herbal remedies development, modern drug technology and extemporal recipe; biotechnology in pharmacy, modern advances in pharmaceutical microbiology and immunology, clinical trials of new drugs, pharmaceutical care for prescription and OTC-drugs, evidence-based medicine, modern pharmacotherapy, socio-economic studies in pharmacy, marketing management and pharmacoeconomics during the development, implementation and use of drugs, quality management in development, production and trafficking of drugs; information technologies in pharmacy and medicine; basics of pedagogy and psychology; social science; philology are presented.

For a wide audience of scientists and pharmaceutical and medicinal employees.

Conclusions. In Ukraine, the consolidation process in the retail pharmaceutical segment takes the form of horizontal integration. This is manifested by the fact that the number of large pharmacy networks is increasing due to the absorption of single pharmacies and small pharmacy networks. In order to protect competition was created bill «On Amendments to the Law of Ukraine» On medicines «to ensure economic competitiveness and protection of patients in the exercise of retail drugs.» It was created on the basis of European experience in regulation of pharmacy activity in order to increase the level of regulatory requirements for organizational and legal requirements for the implementation of retail sales of drugs.

ANALYSIS OF TELEVISION COMMERCIALS OF MEDICINAL PRODUCTS OF GROUP A – «ALIMENTARY TRACT AND METABOLISM»

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Introduction. Today, advertising of pharmaceutical products is the largest segment of the television advertising market in Ukraine. According to the National Council on Television and Radio Broadcasting, from 30% to 50% of the total number of commercials on Ukrainian television are the advertising of medicinal products (MP) and medical devices. On separate channels the volume of such advertising reaches 70%.

Aim. The purpose of the study is to observe commercials of MP of group A – «Alimentary tract and metabolism» on TV channels in Ukraine and to determine their nomenclature structure.

Materials and methods. Methods of moment observation, system approach, grouping, statistical data processing have been applied by means of Microsoft Excel software. The observation of advertising commercials of MP on TV channels of Ukraine is the following: UA: Pershyi, Ukraine, 1+1, Inter, STB, Novyi Kanal, ICTV, 2+2, TET; through 2017 – 2019.

Results and discussion. According to the results of observations during the study period there were 559 commercials of MP of group A – “Alimentary tract and metabolism”, which constituted 31.44% of the total number of MP commercials. It has been found out that the average duration of one such clip in the TV constitutes 13.33 seconds. Nomenclature structure of group A in TV commercials consists of 9 subgroups according to ATC-classification: A01, A02, A03, A05, A06, A07, A09, A11, A12. The most numerous among them are subgroups of A05 – «Bile and liver therapy» (30.77%); A07 – «Antidiarrheals, intestinal anti-inflammatory/anti-infective agents» (17.53%) and A03 – «Drugs for functional gastrointestinal disorders» (13.06%). They account for 343 TV commercials, or 61.38% of their total number (see the Table).

Table

Nomenclature Structure of the Broadcasted TV Commercials of MP of Group A – «Alimentary Tract and Metabolism» Within the Study Period

Subgroup		Number of TV commercials	
		Absolute	%
A01	Stomatological preparations	11	1.97
A02	Drugs for acid related disorders	33	5.90
A03	Drugs for functional gastrointestinal disorders	73	13.06
A05	Bile and liver therapy	172	30.77
A06	Drugs for constipation	63	11.27
A07	Antidiarrheals, intestinal anti-inflammatory/anti-infective agents	98	17.53
A09	Digestives, including enzymes	66	11.81
A11	Vitamins	33	5.90
A12	Mineral supplements	10	1.79
Total:		559	100.00

Conclusion. Analysis of commercials of MP of group A – «Alimentary tract and metabolism», has showed its significant share in the total number of MP commercials broadcasted in Ukraine – 31.44%. According to the nomenclature structure of ATC-classification, there are 9 subgroups, among which the subgroups A05, A07 and A03 are leading.

ANALYSIS OF THE AMOUNT OF REIMBURSEMENT OF THE COST OF MEDICINES UNDER THE STATE PROGRAM «AVAILABLE DRUGS»

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Introduction. Improvement of scientific and methodological approaches to pharmaceutical care for patients with socially important diseases, in particular, cardiovascular disease (CVD) is a very topical problem of the present. Adoption by the Cabinet of Ministers of Ukraine Order dated November 30, 2016 No. 1013r. «On Approval of the Concept of Health Care Financing Reform» is an effective and necessary step in improving the quality of medical and pharmaceutical assistance. In particular, reforms and Government programs will help address critical health problems. However, the issue of the competent allocation of budgetary funds allocated to the administrative-territorial units of the country in the course of the Government programs, and in particular the «Available drugs» program, remains unresolved. Therefore, it is becoming urgent to carry out research in the direction of rational allocation of funds for the reimbursement of drug costs in the regions of the country.

Aim. Calculation of the average statistical forecast of the cost of medicines in the regions of the country per patient during 2019-2020.

Materials and methods. In the work we used the materials of our pre-conducted forecasting of the number of patients with CVD and the reimbursement of the cost of drugs by the Government program «Available drugs» according to the regions of the country. The methods were chosen: statistical, forecasting and generalization of information.

Results and discussion. Thus, according to preliminary studies, we have formed a sample of drugs that are most commonly used in the pharmacotherapy of patients with CVD. Therefore, the sample for further study included drugs that directly participate in the «Available drugs» program – Enalapril, Clopidogrel, Simvastatin, Verapamil, Amlodipine, Hydrochlorothiazide, Bisoprolol, Atenolol, and those medications that were most commonly prescribed for patients – Magnicon and Acetylsalicylic Acid.

All medicines were ranked by us into three groups, depending on the amount of reimbursement in a particular region of the country. In particular, in 2019, the indicators for the cost of drugs per patient ranged from 53.13 UAH up to 6334,87 UAH for the course of treatment, and in 2020 from 38.23 UAH to 5930.93 UAH in accordance.

For example, in 2019 the following groups of drugs, such as Acetylsalicylic Acid, Hydrochlorothiazide, Verapamil, Atenolol, Enalapril, Simvastatin – in all regions; Amlodipin – only in terms of reimbursement in Kherson, Kharkiv and Vinnytsia regions; Enalapril and Clopidogrel – only in terms of reimbursement in the Kherson region. The second group included Amlodipin, Clopidogrel, Enalapril – in all areas except those in Group I and Magnikore – only in terms of reimbursement in Kherson and Vinnytsya Oblast. The third group of lesions were Magnitsor in all regions except Kherson and Vinnitsa.

In 2020, the group I had such drugs as Acetylsalicylic acid, Hydrochlorothiazide. Verapamil, Atenolol, Enalapril, Simvastatin, and according to indicators in Kherson, Vinnytsya, Cherkassy region, amlodipine has been received. Also, in the first group, according to the volume of drug consumption per patient in the Kherson oblast, there were LR Enalapril, Clopidogrel, Magnicore. In the 2nd group, there were such drugs as: Amlodipine, Clopidogrel, Enalapril – in all areas except those in the I group and LM Magnicon in the Vinnytsia region. So, in the 3rd group, as in 2019, the drug Magnicon came in.

Thus, in 2019 and 2020, the lowest predicted average amount of reimbursement of the cost of drugs was in the Kherson region with the drug Acetylsalicylic acid – 53.13 and 38.23 UAH for one patient, provided

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