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## TABLE OF CONTENTS

### AGRICULTURAL SCIENCES

1. *Chen Rui, Dubovyk V.* 40  
THE EFFECT OF PUMPKIN ROOT STOCK GRAFTING ON THE GROWTH AND QUALITY OF MELONS

### VETERINARY SCIENCES

2. *Антіпов А. А., Гончаренко В. П., Палієнко С. О., Малецька Я. В., Савчук В. М.* 43  
ЕФЕКТИВНІСТЬ ЛІКАРСЬКИХ ЗАСОБІВ ЗА ПАСАЛУРОЗНОЇ ІНВАЗІЇ КРОЛІВ
3. *Тодоров М. І., Островська А. В.* 50  
РЕАБІЛІТАЦІЙНІ ЗАХОДИ У РАЗІ ГОСТРИХ РОЗЛАДІВ ТРАВЛЕННЯ У ТЕЛЯТ ІЗ ЗАСТОСУВАННЯМ ЛІГНІНУ КОРМОВОГО

### BIOLOGICAL SCIENCES

4. *Гайдаш І. С.* 56  
ПРИСУТНІСЬ БИЧКА-ГОНЦЯ (*NEOGOBIUS GYMNOTRACHELUS*) У РІЧЦІ УСТЯ, В МЕЖАХ МІСТА РІВНЕ РІВНЕНСЬКОЇ ОБЛАСТІ УКРАЇНИ
5. *Гриб Й. В., Троцюк В. С., Ліщук І. І.* 60  
СУКЦЕСІЙНІ ЗМІНИ ВПЛИВУ БІОТИ І СТРАТЕГІЯ ПРИРОДОКОРИСТУВАННЯ У РУСЛОВИХ ВОДОСХОВИЩАХ МАЛИХ РІЧОК
6. *Козичар М. В., Резнікова В. В., Подаков Є. С.* 67  
СУЧАСНА ПРОБЛЕМАТИКА ВИКОРИСТАННЯ ТРАНСЖИРІВ ТА ЇХ ВПЛИВ НА ОРГАНІЗМ ЛЮДИНИ
7. *Кричківська Л. В., Близнюк О. М., Дубоносів В. Л.* 74  
НАУКОВІ ПІДХОДИ ДО КОРЕКЦІЇ ЕНДОГЕННОЇ АНТИОКСИДАНТНОЇ СИСТЕМИ ОРГАНІЗМУ
8. *Курчій Б. О., Андрейченко С. В.* 80  
ЕКОЛОГІЧНА КОМПЕТЕНТНІСТЬ ФАХІВЦІВ ЛАНДШАФТНОГО ДИЗАЙНУ
9. *Меженський О. Р., Філіппов І. Б.* 87  
QUANTITATIVE DEFINITION OF COMPONENT'S ROLE IN ENDOTHELIUM-DEPENDENT ACETYLCHOLINE-INDUCED RELAXATION OF RAT AORTA
10. *Метельська І. С., Голіней Г. М., Прокоп'як М. З.* 89  
ОСОБЛИВОСТІ ДОСЛІДЖЕННЯ ПРЕІМАГІНАЛЬНИХ ФАЗ НА ПРИКЛАДІ *AGLAIS IO* (LINNAEUS, 1758)
11. *Хохленкова Н. В., Кричківська Л. В., Двінських Н. В.* 93  
ТЕСТУВАННЯ ЖИВИЛЬНОГО КРЕМУ НА ТОКСИЧНІСТЬ З ВИКОРИСТАННЯМ НАЙПРОСТІШИХ ОРГАНІЗМІВ

51. *Чернуха О. В., Трач В. В., Скакунов М. О., Суховєєва А. О.* 248  
ПРОБЛЕМА ВПЛИВУ АТМОСФЕРНИХ ЗАБРУДНЕНЬ ХАРКОВА  
НА ЗДОРОВ'Я ДИХАЛЬНОЇ СИСТЕМИ МЕШКАНЦІВ МІСТА
52. *Шевелєва І. В., Журавель Я. В.* 254  
РОЗПОВСЮДЖЕНІСТЬ ТА ЧИННИКИ, ЩО ВПЛИВАЮТЬ НА  
ФОРМУВАННЯ ПАХОВИХ ТА ПУПКОВИХ ГРИЖ У ДІТЕЙ

#### PHARMACEUTICAL SCIENCES

53. *Hala L., Kavraiskyi D., Piddubna A.* 258  
WAYS TO OVERCOME VITAMIN D DEFICIENCY IN THE  
HUMAN BODY
54. *Nasibova T., Zeynalova G.* 260  
IN SILICO STUDY OF THE EFFECT OF PASSIFLORA INCARNATA  
ALKALOIDS ON CYTOCHROME P450 (CYP) ENZYMES
55. *Sakhanda I., Drofa K.* 262  
MARKET RESEARCH ON THE RANGE OF DRUGS FOR  
DISSOLVING URINARY CONCREMENTS
56. *Гала Л. О., Дерев'янка А. А.* 265  
УЧАСТЬ ФАРМАЦЕВТИВ У ПРОФІЛАКТИЦІ ОСТЕОПОРОЗУ
57. *Довжук В. В., Гришко С. О.* 268  
АНАЛІЗ ЕФЕКТИВНОСТІ ТА ЯКОСТІ РОБОТИ СИСТЕМ  
ФАРМАЦЕВТИЧНОЇ ІНФОРМАЦІЇ В УКРАЇНІ СЕРЕД  
ФАРМАЦЕВТИЧНИХ ПРАЦІВНИКІВ
58. *Сікорський В. В., Ситник І. М.* 271  
МЕНЕДЖМЕНТ РИЗИКІВ ЗАСТОСУВАННЯ ЛОРНОКСИКАМУ У  
ПАЦІЄНТІВ ІЗ ЗАХВОРЮВАННЯМИ ОПОРНО-РУХОВОГО  
АПАРАТУ
59. *Хортецька Т. В.* 273  
АНАЛІЗ РИНКУ АНТИБІОТИКІВ ДЛЯ ЛІКУВАННЯ БРОНХІТУ У  
ДІТЕЙ ДОШКІЛЬНОГО ВІКУ

#### CHEMICAL SCIENCES

60. *Barbakadze V. V., Gogilashvili L. M., Merlani M. Io., Amiranashvili L S* 277  
POLYGLYCERIC ACID-BASED BIOPOLYMERS WITH NUMEROUS  
CATECHOL GROUPS ATTACHED: POLY [3-(3,4-  
DIHYDROXYPHENYL)GLYCERIC ACID] FROM MEDICINAL  
PLANTS OF BORAGINACEAE FAMILY WITH THERAPEUTIC  
EFFICACY
61. *Rodionov V. M., Zaiats O. S.* 284  
SYNTHESIS OF BROMO-3,4-DIHYDRO-2H-1-BENZOPYRANONES  
AS PROSPECTIVE BUILDING BLOCKS IN ANTI-CANCER DRUGS
62. *Шестакова М. В., Іванова Р. Ю., Ляшенко О. Б., Шпота О. О.,  
Перетяка С. М., Котенко О. В.* 288  
ОРГАНІЧНІ БАРВНИКИ ЯК ПЕРСПЕКТИВНІ МОДИФІКАТОРИ  
ПОВЕРХНІ ОКСИДУ АЛЮМІНІЮ

# MARKET RESEARCH ON THE RANGE OF DRUGS FOR DISSOLVING URINARY CONCREMENTS

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**Introductions.** Recently, the issues of diagnosing and treating kidney diseases have become increasingly important due to their increased incidence, seriousness, high mortality rate and negative consequences. According to the professional literature, the number of cases of kidney failure in Europe, the United States and Japan ranges from 157 to 443 per 1 million people.

In Ukraine, the prevalence of this pathology is 212 per 1 million people over the age of 15. Urolithiasis is the most common urological disease characterized by frequent recurrence. Patients with urolithiasis account for about 50% of all urological patients. Over the past 10 years, the prevalence in the country has increased from 200 to 300 per 100,000 people, and the mortality rate has increased by 1.4 times. In Europe, urolithiasis is detected in 2% of the population, and there is a tendency to increase this frequency.

**Aim.** Analyze the pharmaceutical market for urinary calculus dissolving drugs.

**Materials and methods.** The assortment of urinary concrements dissolving drugs was analyzed according to the State Register of Drugs of Ukraine and the ATC classification system. The method of analyzing secondary marketing information was used. The information source was <http://mozdocs.kiev.ua/>. The work was performed using statistical, logical and graphical methods.

**Results and discussion.** According to the National Registry for 2022, Ukrainian society faces a high level of urological diseases, including urolithiasis,

which is the second most common disease. In modern urology, about half of all urological cases are problems associated with the formation of stones in the kidneys and ureters. Over the past few years, Ukraine has seen a 20% increase in the prevalence of urolithiasis.

The number of people suffering from this disease exceeds 160 thousand, and the incidence is 973.5 cases per 100 thousand people. It is noted that recurrence of urolithiasis is observed in 30-65% of patients.

Drugs for the treatment of urological diseases, in particular those designed to dissolve urinary concretions (urolithiasis), are an important component of urological therapy. The main purpose of such medicines is to alleviate or stop the formation of urinary stones, as well as to help in their excretion from the body.

Prevention and treatment of urological problems include a number of important aspects to ensure the health of the urinary system. First, the focus should be on personal hygiene, including avoiding recurrent infections and inflammation of the urinary tract. Regular physical activity contributes to overall health and can prevent the formation of urinary stones.

A balanced diet and adequate fluid intake are also important elements to help avoid stone formation and other urological problems.

Our research has shown that as of December 2023, 12 drugs of this group of drugs were registered in Ukraine. Analyzing the data, it can be noted that the manufacturers of the proposed drugs are mainly of natural origin (75 %). The pharmaceutical market of the country has dosage forms in the form of tablets (33,4 %), herbs (25 %), capsules (16,7 %), drops (8,3 %), granules (8,3 %) and paste for suspension (8,3 %).

**Conclusions.** Market research was conducted on the market of drugs used to dissolve urinary concretions. It was found that 12 brand names of drugs used to dissolve urinary concretions are registered on the Ukrainian pharmaceutical market. The drugs were analyzed depending on the origin and content of active ingredients, dosage form, and type of dosage form.

According to the results of the study, it was found that domestically produced

drugs (83,3 %), herbal products (75 %) in the form of tablets (33,4 %) prevail.

The results of the survey showed that the main consumers of drugs used to dissolve urinary concrements are young women aged 26 to 35 years. The main criteria for consumers to choose drugs used to dissolve urinary concrements were established: high efficacy (42 %), well-known manufacturer (36 %), affordable (15 %), always available in pharmacies (7 %).