


ODESSA NATIONAL MEDICAL UNIVERSITY
DEPARTMENT OF DRUGS TECHNOLOGY

APPROVE

Head of Department

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«29» august 2022 y.

METHODICAL DEVELOPMENT
OF INDEPENDENT WORK OF STUDENTS (IWS)

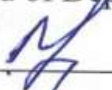
Course 3 Faculty Pharmaceutical

Course Homeopathic drugs

Topic № 9 "**Complex homeopathic medicines. Technology of complex homeopathic medicines, registration for release and quality control . »**

Methodical recommendations on IWS developed by:

Head of Department

 (Borisyuk I. Yu.)

The practical lesson was discussed at the methodical meeting of the department «29» august 2022 y.

Protocol № 1

Odessa - 2022

Methodical recommendations of IWS

Topic: " Complex homeopathic medicines. Technology of complex homeopathic medicines, registration for release and control of their quality "- **6 h.**

Objective: to acquire theoretical and practical skills in the technology of complex homeopathic remedies, physical and chemical control .

Basic concepts: homeopathic triturations, complex homeopathic medicines.

Plan

I. Theoretical questions for the lesson:

1. Constitutional treatment-
2. Homotoxicology-
3. Complex homeopathic medicines -
4. Complex homeopathic remedies are classified-
5. The positive aspects of complex homeopathic remedies include: -

2.1. Requirements for the theoretical readiness of students to perform practical classes;

The pharmaceutical market of Ukraine is rapidly being filled with complex homeopathic remedies of both domestic and foreign production. These drugs are mostly (except for injectable solutions) available without a prescription, which means that they can be purchased and used by any buyer at its discretion. At the same time the preparations of a vegetable, animal and mineral origin prepared on special technology are used. This therapy does not cause side effects, can be used alone or in addition to normal medical practice.

Complex homeopathic remedies are successfully used in therapy, neuropathology, surgery, dermatology, pediatrics, ophthalmology and other fields of medicine.

One of the reasons for this is the efficiency and simplicity in the treatment of chronic diseases. Statistics show that if at the beginning of the XX century only half of all diseases were chronic, nowadays about 90% of diseases are chronic.

Complex preparations of leading domestic manufacturers are usually created on the basis of "frequently used prescriptions", ie on the basis of well-studied and tested for decades homeopathic medicines. Foreign companies introduce to our market complex drugs, many of which are usually successfully used in different countries for a long time. Pharmaceutical enterprises that make homeopathic complex remedies are mostly able to ensure the accuracy of the entire technological process and the necessary quality control of medicinal raw materials and finished products. This achieves a certain degree of standardization of homeopathic medicines, the need for which was pointed out by the founder of homeopathy S. Hahnemann.

In addition, the use of complex homeopathic remedies can reduce the dose of potent allopathic medicines (up to 50%). These drugs are usually not very expensive and convenient for patients.

There are different opinions about the possible number of products in the recipe. The question of taking several homeopathic medicines for the same disease, especially their mixing, is still controversial.

Practically speaking, we must recognize that if you are allowed to take 2, 3, 4 or more drugs alternately or alternately, at longer or shorter intervals, often - even after 5-10 minutes, there is no reason not to give them together at the same time, in the mixture.

Justification of the natural expediency of homeopathic medicinal mixtures is found in nature, in natural mineral waters, as well as in the soil, in nutrients.

In some foreign countries, the practice of simultaneously prescribing several homopathic remedies in the form of an official, laboratory-developed complex has developed. The purpose of this purpose is efficiency and speed of action.

Nowadays, pollution of the external and internal environment, information overload and stressful situations is difficult to talk about the "constitution" of man in its purest form. Accumulation in the body of various toxins in the form of salts of heavy metals, allergens, metabolic products leads to overstrain of the body's defenses and dysfunction of systems that maintain homeostasis. Overloading the body with harmful substances is an indication for the use of frequently used prescriptions of several components that promote the removal of these toxins.

There are many complex drugs with well-proven action (choleretic, anti-inflammatory, antispasmodic, analgesic), which when used in the early stages of the disease have not only therapeutic but also pronounced preventive effect.

Once again: complex homeopathic remedies are based on frequently used recipes, ie on the basis of well-studied and clinically tested for decades combinations.

For example, in the case of preparation of a combined ointment prepare alternately ointment-suspension, ointment solution and ointment emulsion, then mix all the ointments, conduct quality control, packaging and design for release.

The finished ointment with the help of celluloid plate is transferred to the ointment jar, periodically tapping the bottom of the jar on the palm for ramming, and closed with a lid.

Extraction ointments, which are prepared similarly to oils, are quite rare. For example, AI Anosova and MF Lipkan proposed coniferous ointment. Freshly harvested and conifer needles (50.0) are washed with 3% sodium chloride solution and dried in a dark place at room temperature, then covered with half the mass of ethyl alcohol and extracted with Vaseline in a water bath at 60 °C. for 30 minutes. Then squeeze through cheesecloth and cool with stirring. Ointment contains carotene, chlorophyll, terpenes; used in surgical practice.

Kovtunovich's ointment, which was included in the pharmaceutical manual, is also used; it is made from walnut leaves. Walnut leaves (15.0) are filled with sunflower oil (100.0) for 7 days to swell, heated for 3 hours in a water bath, filtered through gauze into a heated mortar with melted wax (15.0) and stirred to cool.

Questions for self-control

1. Characteristics of homeopathic triturations as a dosage form.
2. Technology of making homeopathic triturations according to SPU.
3. Excipients for the manufacture of homeopathic triturations.
4. Features of potentiation of homeopathic triturations.
5. Quality control of homeopathic triturations.

6. Registration for the release of homeopathic triturations.

Approximate tasks for the study of theoretical material

1. *Make a dictionary of basic concepts on the topic*
2. *Fill in the orientation card for independent preparation of the student with the use of literature on the topic (the need to include in the guidelines of the orientation card is decided by the staff of the department):*

Basic and tasks and	In the fairy tale	Answers
1	2	3
<i>Explore:</i>		
Complex homeopathic remedy	Define the term.	
Sarcody	Define the term.	
Nosodes	Define the term.	

II. Practical work (tasks) that will be performed in class:

- 1) 2 Complete the individual task set by the teacher: Describe the best option for the technology of complex homeopathic medicines . Fill in the front of the written control passport and indicate the registration of the drug before the holiday .
- 2) Currently, more than 100 complex homeopathic remedies of well-known Ukrainian and foreign companies (National Homeopathic Union, Arnica, Deutsche) are registered on the pharmaceutical market of Ukraine. Homeopathy Union, «Dr Wilmar Schwabe »,« Neei »,« Materia Medica »,« Russian Homeopathic Association », etc.). Give examples of complex homeopathic remedies presented on the Ukrainian market.
 - 1.1. recommendations (instructions) for performing tasks (professional algorithms, orientation maps for the formation of practical skills, etc.);

Perform an individual task set by the teacher: Describe the best option for the technology of complex homeopathic remedies. Fill in the front of the written control passport and indicate the registration of the drug before the holiday.

- 1.2. requirements for the results of work, including before registration;

According to the course of the practical lesson to design an individual task in a workbook.

- 1) Characteristics of the drug-
- 2) Technology
- 3) Registration for vacation -

III. Test tasks for self-control

1. The dose per powder is approximately:

- A - 0,2 г
- B - 1,0 г
- C - 0,5 г
- D - 5,0 г
- E - 10,0 г

2. Determination of the validity and quantitative content of medicinal substances is carried out in triturations before dilution:

- A - X3
- B - X1
- C - X2
- D - X6
- E - X12

3. For the preparation of triturations of dry medicinal substances, essences, tinctures, solutions or their dilutions as an excipient is most often used:

- A - lactose
- B - ethanol
- C - talc
- D - starch
- E - glucose

4. Preparations derived from healthy animals, bacterial cultures or plant secretions:

- A – sarcoids;
- B-monocomponent homeopathic remedies;
- C-polycrosses.

5. Injeel - drugs intended for:

- A-external use;
- B – internal use;
- C-injection.

3) Calculate the number of components for the preparation of 10.0 g of dilution X2:

- A – 0.1 g of matrix tincture and 9.9 g of purified water;
- B – 1.0 g of matrix tincture and 9.0 g of purified water;
- C – 3.0 g of matrix tincture and 7.0 g of purified water;
- D – 5.0 g of matrix tincture and 5.0 g of purified water.

Answer the theoretical questions.

1. Principles of complex homeopathy.
2. Characteristics of complex homeopathic dosage forms.
3. Technology of making solid complex homeopathic remedies.
4. Technology of production of liquid complex homeopathic preparations.
5. Features of potentiation of complex

IV. Individual tasks for students on the topic of the lesson - to present in the form of presentations.

Complex homeopathic medicines. Technology of complex homeopathic medicines, registration for release and quality control.

Recommended literature

Main:

1. Гомеопатична фармація і медицина. Глосарій термінів та визначень: навч. посібник для студ. вищ. Навч. Закладів / Л.І. Вишневська, О.Ю. Сергеева, С.В. Олійник ; за ред. Л.І. Вишневської. – Х. : Оригінал, 2017. – 340 с.
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8. Методичні рекомендації з підготовки до підсумкового модульного контролю з технології гомеопатичних лікарських засобів для здобувачів вищої освіти / Л. І. Вишневська, Н. П. Половко, С. В. Олійник, І. С. Коноваленко. – Х.: Вид-во НФаУ, 2018. – 27 с.
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