

Lecture 5.

**ORGANIZATION OF THE
PHARMACY'S WORK ON RECEIVING
PRESCRIPTIONS AND DISPENSING
MEDICINES CONTAINING POTENT
AND TOXIC SUBSTANCES**

3rd year 5th semester

Potent substances are substances that are dangerous to health and life when taken in large doses and when there are medical contraindications to their use. Such substances can cause a state of dependence, have a stimulating or depressive effect on the central nervous system, cause hallucinations or disorders of motor function, thinking, behavior, perception, mood or may lead to similar harmful effects.

The lists of potent and poisonous substances are based on

- peculiarities of the pharmacological action of the substances,
- Data from the practice of judicial and investigative authorities related to unlawful actions with these substances.

The lists include not only medicines, but also other substances not permitted for use in medical practice. The lists cover a wide range of synthetic and natural substances. The lists are relevant to the prevention of illegal distribution of potentially dangerous addictive compounds. They are important for medical and pharmaceutical professionals, as well as for law enforcement officers.

Nomenclature of drugs containing potent, poisonous substances

The list of potent substances includes, for example:

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Barbituric acid derivatives.

- Hexobarbital
- Methyltestosterone
- Clopheline
- Sidnophen
- Sodium thiopental
- Tramadol
- Testosterone
- Ethyl alcohol
- Pheprosindine
- Chloroform
- Cyclobarbital and its salts
- Anesthetic ester
- Ergotal
- The sum of the alkaloids of the nettlewort.

The list of poisonous substances includes, for example:

- Aconite, aconite herb
 - Aceclidine
- Hyoscyamine and its salts
 - Snake venom
 - Carbocholine
- Methanol (methyl alcohol)
 - Arsenic anhydride
 - Purified bee venom
 - Hydrocyanic acid
- Scopolamine hydrobromide
 - Strychnine nitrate
- Sum of foxglove alkaloids
 - Chilbukha extract
 - Metallic mercury
 - Thallium and its salts
- White phosphorus (phosphorus yellow)

Storage of potent and poisonous medicines shall be carried out in premises equipped with engineering and technical means of protection.

It is allowed to store potent and poisonous drugs and narcotic and psychotropic drugs in one technically reinforced room. In this case, the storage of potent and poisonous drugs should be carried out (depending on the volume of stocks) on different shelves or in different safes.

The registrer is called: **Logbook of operations related to the circulation of medicines for medical use.**

Prescriptions for drugs containing potent and poisonous substances shall be drawn up on **prescription form N 148-1/-88.**

When dispensing prescription drugs, the pharmacist shall mark the prescription for the drug "Drug dispensed" and indicate:

- 1) the name of the pharmacy organization;
- 2) the trade name, dosage and quantity of the released drug;
- 3) name, surname and patronymic of the pharmacist who dispensed the medicinal product, and signature;
- 5) date of dispensing of the medicinal product.