Sample diary internship
‘in the internship in quality control of medicines
for students for students in 2020 admission
according to the educational program
specialist degree
in the specialty of training 33.05.01 Pharmacy
direction (profile) Pharmacy,
form of study full-time (face to face)
for the 2024-2025 academic year

Title page of the diary on the basis of the department:

Diary of internship
in quality control of medicines

student of the 5th year

_____

_____
(name)

Instructor _____/_____/
(signature)

Volgograd, 202__

Rules for drawing up the internship diary

A compulsory reporting document on the student's internship is the internship diary.
The internship diary should include records of various types of work (literary/methodological/experimental/analytical/other types of work) performed by the student during the internship.
Minutes shall be drawn up for each day of work during the internship. The protocol shall contain information on the date, topic(s) of the lesson(s), the work performed and research procedures (operations), as well as on the primary data obtained and the results of their analysis during the individual assignment.
When logging the work on individual assignments it is necessary to follow the following algorithm:

1. Describe the essence of the task (goals/ objectives/ research design/ research object/ research methods, etc.)
2. Record the actual data obtained in the course of the research - it is advisable to present it in a tabular format.
3. Analyse the data obtained in accordance with the aims and objectives of the individual task.
4. Make a brief conclusion/conclusions on the results of the individual task.

The practice diary should be signed:
a) after each protocol - by the student's supervisor.
b) on the title page - by the practice supervisor from the organisation (university)) and the practice supervisor from the profile organisation (practice base).

Chronological diary of the internship

PROTOCOL №___

Date _____

Thematic block: _____
_____
_____

Content (progress of work): _____
_____
_____
_____
_____
_____
_____
_____

Completion of individual tasks:
_____
_____
_____

Instructor _____/_____/

TASK 1

Familiarisation with the laboratory, pharmacy or analytical room (table) of the pharmacy, the main functions and documents maintained in the drug quality control facility. Give a brief characterisation of the practice facility. It is necessary to describe the structure of the laboratory or analytical room (table) of the pharmacy, indicate what medicines are analysed on the basis of practice (give examples of nomenclature of drugs), what documents draw up the results of analysis, give a description of the main instruments, reagents and methods of analysis used for quality control of medicines.

TASK 2

Study the principles of organisation of quality control of medicinal products in the Russian Federation. State control (preliminary, subsequent sampling, inspection, arbitration). Types of in-plant control (incoming, operational, acceptance and delivery). Industry standard GMP.

Control and analytical laboratory, its functions. Analytical service of pharmacies. Main duties of pharmacist-analyst. Intra-pharmacy control.

Familiarisation with the system of state quality control of medicines, operating in the country of practice. The student should familiarise himself/herself with the laws and documents that regulate quality control in the country of practice (for Russian students - in the Russian Federation): international, domestic, foreign Pharmacopoeias, regulatory documents, orders, regulations, instructions, etc. The student should familiarise himself/herself with the laws and documents that regulate quality control in the country of practice (for Russian students - in the Russian Federation).

For foreign students who have individual production practice outside the Russian Federation, it is necessary to specify:

- what drug analysis laboratories exist in the country, to whom they are subordinate;
- how and by what documents the results of the analysis are formalised (give their form);
- whether quality control of medicines is carried out in pharmacies;
- types of control;
- which medicines are analysed compulsorily and which are analysed selectively;
- whether there is a national pharmaceutical industry in the country (list the enterprises, specify what they produce);
- whether the synthesis of individual medicinal substances is carried out at the enterprises of the country of internship;
- whether there are national enterprises producing finished dosage forms, how their quality is controlled;
- how and where the quality of foreign medicines imported into the country is controlled.
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- how and where the quality of foreign medicines imported into the country is controlled.

TASK 3

According to the Pharmacopoeia in force in the country of practice, find general articles regulating the quality of dosage forms, describe the general requirements for the dosage form and the general principles of establishing quality standards (eg, article ‘Tablets’, article ‘Injectable dosage forms’, article ‘Extracts’, etc.). Give a description of the requirements for appearance, strength, disintegration, dissolution, determination of the average weight, the content of active substances).

TASK 4

Analyse 2-3 drugs according to the pharmacopoeial article. If it is impossible to perform a full pharmaceutical analysis in practice to provide methods of determining the identity and quantitative content of 3-5 drugs with a description of reactions or methods.

1. Principles of organisation of quality control of medicinal products in the Russian Federation. State control (preliminary, subsequent sampling, inspection, arbitration). Types of in-plant control (incoming, operational, acceptance). Industry standard GMP.
2. Standardisation of medicinal products.
3. The problem of falsification of medicines and ways of its solution.
4. Control and analytical laboratory, its functions. Analytical service of pharmacies. The main duties of pharmacist-analyst. Intra-pharmacy control.

TASK 5

Give a nomenclature and classify at least 50 medicines, the most commonly dispensed in the pharmacy, according to the following form:

№	**Drug name Latin, international non-proprietary name**	**Name of the group of substances according to chemical nomenclature**	**Chemical formula**	**Medical use**

TASK 6

To consolidate in practice the skills of work on the devices: pH-meter, refractometer, polarimeter, photocolorimeter, spectrophotometer, to master the methods of visual colourimetry. In the internship report briefly describe what physicochemical methods of research were used in the analyses.

At the end of the diary, the student is required to write a short internship report-chronology.

Form of the internship report

REPORT
on individual internship on quality control of medicines
of the student of the V course of the ___ group
of the Faculty of Pharmacy.
FULL NAME

In the report, describe the main content of the internship:

1. Familiarisation with the State system of quality control of medicinal products in the country of internship, the structure and equipment of the laboratory;
2. General information about the scope of work performed:

- On the nomenclature of medicinal products with which the student got acquainted (specify groups of medicinal products);

- On the performed experimental work on the analysis of medicines (list the types of analysed dosage forms - tablets, injectable solutions, eye drops, ointments, etc.);
- According to the studied regulatory documentation governing the quality of medicines.

3. Practical recommendations for improving the quality control of medicines.
4. Signature of the student.
5. Signature of the internship supervisor.
6. Seal of the institution - the base of the internship.

Considered at the meeting of the department of Pharmaceutical and Toxicological Chemistry, pharmacognosy and botany "28" August 2024, protocol No1

Head of the Department  Ozerov A.A.