

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
EDUCATIONAL INSTITUTION
BELARUSIAN STATE MEDICAL UNIVERSITY

APPROVED

Rector, Professor

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PASSPORT (EXAMPLE)

EXAM STATION

WRITING A DOCTOR'S PRESCRIPTION

OBJECTIVE STRUCTURED CLINICAL EXAM (OSCE)

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Academic discipline - "Clinical pharmacology"

Specialty - 1-79 01 01 "General Medicine"

Minsk 2024

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RECOMMENDED FOR APPROVAL:

Department of Clinical Pharmacology of the Educational Institution
"Belarusian State Medical University»
(protocol № 2 from 05.09.2023).

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1. Level of measured training

The passport (example) of the examination station "**WRITING A DOCTOR'S PRESCRIPTION**" of an objective structured clinical exam (OSKE) was developed in the academic discipline "Clinical Pharmacology" in accordance with the standard curriculum for the specialty 1-79 01 01 "General Medicine" (registration No. TD-L.642/type.), approved by the First Deputy Minister of Education of the Republic of Belarus I.A. Starovoitova (03.10.2018).

A total of 140 academic hours are devoted to the study of the academic discipline, of which 68 classroom hours and 72 hours of independent work of the student.

Recommended forms of current assessment: an exam (11 semester).

Examined – students of the Faculty of General Medicine, 6th year.

2. Practical Skill:

Writing a doctor's prescription.

3. Station run time

The total duration of the station is 10 minutes;

physical duration – 8 minutes

Table 1

Station run time			
Actions of an examinee	Action start time (min:sec)	End time (min:sec)	Duration of action (min:sec)
Information for the proposed scenario for setting the station	00:00	01:00	01:00
Completion of the task "Writing a doctor's prescription"	01:00	08:00	07:00
Task Completion Warning	08:00	08:00	00:00
Shutdown	08:00	09:00	01:00
Change of examinees	09:00	10:00	01:00
The total duration of the station			10:00

4. Station equipment

Table 2

Workplace of the examiner	
Equipment list	Quantity
Clock with stopwatch	1 piece
Office chair	1 piece
Office table	1 piece
A computer with Internet access to fill in the assessment sheet (checklist) (if possible).	1 piece

Established forms of a doctor's prescription (attachment). The size of the doctor's prescription form is 105 mm by 148 mm	an amount corresponding to the number of examinees plus 3-5 in reserve.
A4/A5 note paper	On demand
Ballpoint pen	1 piece
Drinking water	1 bottle
Disposable cup	1 piece
Box with napkins	1 package
Examinee's workplace	
Equipment list	Quantity
Office chair	1 piece
Office table	1 piece
The list of medicines	1 piece
A4/A5 note paper	1 sheet per 1 attempt
Ballpoint pen	1 piece

Actions of auxiliary personnel before starting the station operation.

Personnel Responsible for conducting OSCE:

together with personnel responsible for preparing the station, check the examinee's workplace;

ensure that the examiner is familiar with the contents of the checklist (parameters for performing actions at the station, the coefficient of importance of actions, scoring criteria).

Personnel Responsible for station preparation:

arrange furniture at the station according to Table 2;

prepare equipment for the examiner's workplace according to Table 2;

check the availability of the necessary consumables at the station;

check the availability of tasks for the examinee before entering the station;

provide, if necessary, technical (user) assistance to the examiner when working at the station;

upon completion of each examinee's work, return the station to its original condition;

if necessary, upon completion of the station operation, print out the OSCE protocol on paper or save it in the "Print to PDF" format.

5. Situations (scenarios)

Table 3

List of situations	
Number of the situation (scenario)	Situation
1	Today is 25/09/2023 (Monday). Patient A.V. Petrov came to see a medical specialist at one of the clinics in Minsk for medical care. He is 72 years old (weigh 80kg). The patient's

	<p>complaints, objective examination and basic laboratory parameters provided the basis for making a diagnosis and prescribing drug treatment.</p> <p>The name of the medicinal product is randomly selected from the list of medicinal products.</p> <p>A doctor's prescription is required:</p> <ul style="list-style-type: none"> - obtain an established form of a doctor's prescription and check the stamp of the organization that issued it; - enter information about the doctor (Name (-s), last name (-s)) and the patient (Name (-s), last name (-s) (written in words without abbreviations, Date of birth) into the appropriate columns (in accordance with the requirements for writing a doctor's prescription for the medication sold in a pharmacy at full price); - indicate the date of issue of the prescription; - select and write after the word "Prescription:" the international nonproprietary name of the medicinal product in Latin, its pharmaceutical release form, strength, quantity and dosage regimen for the declared patient; - indicate in the signature instructions for the use of the medicinal product; - eliminate, by crossing out on the prescription form, the space for prescribing other medications; - determine the term of validity of the prescription (30 days, 2 months), cross out what is unnecessary; - certify the issuance of the doctor's prescription with your signature and the "conditional" personal seal of the doctor (Name (-s), last name (-s) of the examinee at the place of seal).
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6. Information for the examinee

Task for the examinee.

Situation #1

You are a doctor at one of the clinics in Minsk. Today is 25/09/2023 (Monday). Patient A.V. Petrov came for medical care. He is 72 years old (weigh 80kg). The patient's complaints, objective examination and basic laboratory parameters provided the basis for making a diagnosis and prescribing drug treatment.

The name of the medicinal product is randomly selected from the list of medicinal products.

You need to write a doctor's prescription for the medication sold in a pharmacy at full price.

7. Information for examiners

Station tasks:

Demonstration of examinees their ability to write a doctor's prescription.

Functions of examiners:

- identification of the examinee, filling out the identification part in the paper checklist (student's name (-s), last name (-s) or identification number, faculty, group, course, department, practical skill (manipulation), date);
- launching the examinee into the station;
- registration of the sequence and correctness of the actions/discrepancies of the examinee's actions in accordance with the parameters of the actions in the checklist;
- providing the examinee with the information that must be provided in the process of performing actions at the station (Table 5);
- monitoring the time during which the examinee completes the task at the station, timely reminding the end of the time allotted for completing the task, inviting the examinee to leave the station.

Information that must be provided to the examinee in the process of performing actions at the station (hereinafter referred to as introductory information):

Table 4

Examinee's action	Introductory information
In accordance with the time in the Table 1	The command is given: " You have one-minute left. "
Upon the task completion (if the task is completed by examinee before the allotted time or in accordance with the time in the Table 1)	Thank students and ask them to leave the station: "Thank you. Please go to the next station"

Information that is not provided to the examinee:

- it is prohibited to give verbal and non-verbal hints to the examinee while the person is at the station and in the process of completing the task;
- it is prohibited to comment on the examinee's actions or enter into a dialogue exceeding the volume indicated in Table 5;
- it is forbidden to ask clarifying questions;
- it is prohibited to make demands to the examinee "Faster", "Continue", "Don't hesitate", etc., as well as to ask questions "Have you done everything?", "Are you finished?" and so on.

8. References

Basic literature

Bennett P.N. Clinical pharmacology. - Edinburgh, 2012.- 667 p.

Laurence L. Brunton, Randa Hilal-Dandan, Björn C. Knollmann. Goodman & Gilman's: The Pharmacological Basis of Therapeutics, 13e // McGraw-Hill Education. – 2018. – 1440 p.

Bertram Katzung, Anthony Trevor. Basic and Clinical Pharmacology 13 E, 2014.

Additional literature

Cate Whittlesea, Karen Hodson. Clinical Pharmacy and Therapeutics. 6th Edition // Elsevier. - 2019. - 1112 p.

S.I. No. 540/2003 - Medicinal Products (Prescription and Control of Supply) Regulations 2003. – [Mode of access] <https://www.irishstatutebook.ie/eli/2003/si/540>. - [Date of access] 29/02/2024

9.Information for the standardized patient

Not provided.

10. Information for a standardized colleague

Not provided.

11. Criteria for evaluating the actions of the examinee

11.1. Evaluation sheet (checklist)

for the examination station

WRITING A DOCTOR'S PRESCRIPTION

Objective Structured Clinical Exam (OSCE)

Student name _____

Faculty _____ group _____ course _____

department _____

Practical skill (manipulation): writing a doctor's prescription

Table 5

№ п/п	Action Execute Parameter	Mark in points execution - 2 failure - 0 partial execution – 1
1.	a prescription form for dispensing a medicinal product (passport part) should be received and prepared	
2.	the international nonproprietary name of the medicinal product (Latin) and its release form should be indicated	
3.	single and daily doses of the proposed drug for a conditional patient should be calculated	
4.	instructions for the use of the medicinal product should be indicated in the signature	
5	the term of validity of the prescription (30 days, 2 months)/refill would be determined and the unnecessary term should be crossed out; the issuance of the doctor's prescription with personal signature and the "conditional" personal seal of the doctor (Name (-s), last name (-s) of the examinee at the place of seal) should be certified	
	Final mark in points	

(Name of the examiner)

(signature)

Date _____

(Name of the examiner)

(signature)

12. Defective statement

to the score sheet (checklist) № 1 № 2
for examination station

WRITING A DOCTOR'S PRESCRIPTION

Objective Structured Clinical Exam (OSCE)

Student name _____

Faculty _____ group _____ course _____

department _____

Practical skill (manipulation): writing a doctor's prescription

Table 6

№ п/п	List of unregulated and unsafe actions that are not on the evaluation sheet (checklist)	Date	Examiner's signature
№ п/п	List of additional actions of clinical importance not included in the evaluation sheet (checklist)	Date	Examiner's signature

Recommendations for the organization of the station

WRITING A DOCTOR'S PRESCRIPTION

during the next exam _____

(Name of the examiner)

(signature)

Appendix 1

A prescription form for dispensing a medicinal product

FOR _____		DATE _____	
ADDRESS _____			
R_x		REFILL _____ TIMES	
DISPENSE AS WRITTEN		PRODUCT SELECTION PERMITTED	
DEA NO. _____		ADDRESS _____	
Reorder Item #5100	Total Pharmacy Supply, Inc	1-800-878-2822	

List of medications

1. Prescribe the drug "Prednisolone"
2. Prescribe the drug "Cetirizine"
3. Prescribe the drug "Ketotifen"
4. Prescribe the drug "Ambroxol"
5. Prescribe the drug "Fenoterol"
6. Prescribe the drug "Ipratropium bromide"
7. Prescribe the drug "Beclomethasone"
8. Prescribe the drug "Methyldopa"
9. Prescribe the drug "Moxonidine"
10. Prescribe the drug "Propranolol"
11. Prescribe the drug "Bisoprolol"
12. Prescribe the drug "Verapamil"
13. Prescribe the drug "Amlodipine"
14. Prescribe the drug "Diltiazem"
15. Prescribe the drug "Indapamide"
16. Prescribe the drug "Hydrochlorothiazide"
17. Prescribe the drug "Furasemide"
18. Prescribe the drug "Torasemide"
19. Prescribe the drug "Captopril"
20. Prescribe the drug "Lisinopril"
21. Prescribe the drug "Losartan"
22. Prescribe the drug Digoxin
23. Prescribe the drug "Amiodarone"
24. Prescribe the drug "Spironolactone"
25. Prescribe the drug "Metoclopramide"
26. Prescribe the drug "Famotidine"
27. Prescribe the drug "Omeprazole"
28. Prescribe the drug "Lactulose"
29. Prescribe the drug "Amoxicillin"
30. Prescribe the drug "Clarithromycin"
31. Prescribe the drug "Azithromycin"
32. Prescribe the drug "Levofloxacin"
33. Prescribe the drug "Nifuroxazide"
34. Prescribe the drug "Fluconazole"
35. Prescribe the drug "Metronidazole"
36. Prescribe the drug "Domperidone"
37. Prescribe the drug "Mebendazole"
38. Prescribe the drug "Oseltamivir"
39. Prescribe the drug "Acyclovir"
40. Prescribe the drug "Ganciclovir"
41. Prescribe the drug "Dabigatran"

42. Prescribe the drug "Rivaroxaban"
43. Prescribe the drug "Warfarin"
44. Prescribe the drug "Pentoxifylline"
45. Prescribe the drug "Clopidogrel"
46. Prescribe the drug "Ticagrelor"
47. Prescribe the drug "Ketorolac"
48. Prescribe the drug "Ibuprofen"
49. Prescribe the drug "Diclofenac"
50. Prescribe the drug "Acetaminophen"
51. Prescribe the drug "Nimesulide"
52. Prescribe the drug "Meloxicam"
53. Prescribe the drug "Methylprednisolone"
54. Prescribe the drug "Glibenclamide"
55. Prescribe the drug "Metformin"
56. Prescribe the drug "Levothyroxine"
57. Prescribe the drug "Folic acid"