

APPROVED

by the resolution of the Cabinet  
of Ministers of Ukraine  
dated March 28, 2018, No. 334

ORDER

The unified state qualification examination implementation for a higher education master's degree applicants in the specialties in the field of knowledge "22 Healthcare"

1. This Procedure regulates the issue of a unified state qualification examination implementation for higher education masters degree applicants in the specialties "22 Health care", approved by the resolution of the Cabinet of Ministers of Ukraine of April 29, 2015 No. 266 "On approval of the list of fields of knowledge and specialties for which higher education applicants are trained "(Official Bulletin of Ukraine, 2015, No. 38, Art. 1147).

The terms used in this Procedure shall be used in the meaning given in the Law of Ukraine "on Higher Education".

2. Certification of candidates for master's degree in the specialties in the field of knowledge "22 Health care" is carried out in the form of a unified state qualification exam (hereinafter referred to as the qualification exam), which consists of the following components: integrated test exam "KROK" (hereinafter - "KROK" exam; objective structured practical (clinical) exam (hereinafter referred to as the practical (clinical) exam) \*; international exam in the basics of medicine; English proficiency exam \*\*. Certification may also be conducted in the other forms defined by the higher education standards.

The basic principles of the qualification exam are:

objectivity;

transparency and publicity;

independence;

intolerance to corruption and bribery;

integration into the international educational and scientific space;

obligation;

unity of results evaluation methodology.

"KROK" exam is a standardized tool for diagnosing the level of professional competence of a specialist, which establishes the conformity of the quality of specialists training with the standards of higher education.

Practical (clinical) exam is an exam that assesses a graduate's readiness to pursue a professional activity in accordance with the requirements of a higher education by demonstrating practical (clinical) components of professional competence at a real person or model (phantom, model, simulators, etc.).

International Foundations of Medicine Examination - is an international examination in fundamental and clinical disciplines, used internationally, developed and organized by a foreign organization for assessment of the level of knowledge of applicants, designated by the state organization "Testing Center for Professional Competence of Higher Education Specialists in the fields of knowledge "Medicine" and "Pharmacy" under the Ministry of Healthcare of Ukraine" (hereinafter - Testing Center under the Ministry of Healthcare of Ukraine) on a competitive basis.

3. The qualification exam is conducted in all higher education institutions that train specialists in the specialties in the field of knowledge "Health care".

The qualification exam consists of one or two separate test stages, depending on the specialty and the educational level obtained. The steps and obligatory for each specialty components of the qualification exam defined in appendix.

4. The qualification exam, except practical (clinical) exam, is conducted by the Testing Center under the Ministry of Healthcare of Ukraine, which is a specially authorized state organization for establishing the conformity of the higher education applicant's level of knowledge, skills and other competences to the requirements of the higher education standards.

Practical (clinical) exam is conducted by the examining board, which is formed at higher education institution.

5. The procedure, conditions and terms of development and conduction of the qualification exam and assessment results criteria should be approved by the Ministry of Healthcare.

6. Expenditures for the development of the qualification exam shall be borne by the state budget provided for the stated purpose.

Financing of all components of the qualification exam for persons studying for the state budget expenses is carried out within the expenditures of the state budget.

The costs of conducting the qualification examination for persons studying at the expenses of natural or legal persons are included in the cost of training of the applicant.

Higher education institutions compensate "KROK" examinations costs, the English language professional proficiency examination and International Foundations of Medicine Examination for persons studying at the expense of individuals or legal entities. Payment is made in accordance with the agreements concluded between the Testing Center under the Ministry of Healthcare and higher education institutions.

The methodology for calculating the cost of developing and conducting the qualification exam is approved by the Ministry of Healthcare of Ukraine (MHU).

International Foundations of Medicine Examination may also be funded through other sources not prohibited by law.

7. "KROK" exam is conducted in one or two test stages - "KROK 1" and "KROK 2".

The first stage assesses the level of professional competence in general (basic) disciplines.

The second stage assesses the level of professional competence in professionally oriented (clinical) disciplines.

8. Practical (clinical) examination is conducted in one stage by an examination board, which is formed in a higher education institution. The formation procedure of the examination board shall

be approved by the MHU. It is imperative that the board members take into account the absence of conflict of interest during the formation of the examination board.

9. International Foundations of Medicine Examination is conducted in two stages. The structure, content and procedure for conducting such an examination are the same for all countries that use it and have been developed by the appropriate expert commission.

The Testing Center under the Ministry of Health is responsible executor for conducting the International Foundations of Medicine Examination in Ukraine.

10. The English language professional proficiency exam is conducted in one stage at the same time as "KROK" exam.

11. The results are evaluated using a standardized methodology. Testing of completed test works is carried out:

for "KROK" exam and the English professional proficiency exam - centralized at the MHU Testing Center;

for International Foundations of Medicine Examination - the developer of such an exam, designated by the Testing Center at the MHU;

for the practical (clinical) exam - by the examination commission of the institution of higher education.

The institution of higher education shall submit to the MHU Testing Center information on applicants' completion of practical (clinical) exam and the receipt of certificates within ten days from the examination day.

12. In case of successful completion of each component of the qualification examination at each test stage, a relevant certificate is issued to an applicant.

Certificate information is entered into the register of certificates of specialists with higher education in the field of knowledge "22 Health care", administered by the MHU Testing Center.

The Regulations on the Register of certifications of specialists with higher education in the field "22 Health care" are approved by the Ministry of Healthcare.

Information on student' passing the qualification exam result is entered by the Testing Center at the MHU to the Unified State Electronic Database on Education, and is also indicated in the diploma supplement for each component of the qualification exam separately.

13. In case of failure of any of the components of the qualification examination, the applicant have the right to retake the examination no more than once. Retaking the exam is allowed within one year from the date of the first exam.

The cost of retaking any of the components of the qualification examination shall be borne by the applicant.

The MHU Testing Center, the Practical (Clinical) Exams Examination Board provide the same level of provides the same level of task complexity during the first and repeated exams.

In case of retaking failure of any of the components of the qualification exam, the person shall be deemed as having failed to fulfill the individual curriculum and is expelled in accordance with paragraph 4 of part one of article 46 of the Law of Ukraine "On higher education".

14. The decision on the award of master's degree and the corresponding qualification is made by the examination board on the basis of successful completion of all forms of certification.

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\* Objective Structured Practical (Clinical) Examination is held from January 1, 2019.

\*\* Before September 1, 2019, the level of professional competence in a foreign language of professional orientation, which a student learned in a higher education institution, was assessed.

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**STAGES AND REQUIRED COMPONENTS**  
of qualification exam for specialties in the field of knowledge  
“22 Health care”

I. Stages and mandatory components of the qualification exam for specialties  
for which the admission to MSc degree program (based on complete secondary education)  
and junior specialists carried out

Specialty	Stages and mandatory components of the qualification exam		
	First stage (in the third year of study)	second stage (in the fifth year of study)	second stage (in the sixth year of study)
221 Dentistry	KROK 1; English language of professional orientation	KROK 2; Practical (clinical) exam	
222 Medicine	KROK 1; International Examination in Foundations of Medicine (fundamental disciplines); English language of professional orientation		KROK 2; International Examination in Foundations of Medicine (clinical disciplines); Practical (clinical) exam
225 Medical psychology	KROK 1; English language of professional orientation		KROK 2;
226 Pharmacy, Industrial pharmacy	KROK 1; English language of professional orientation	KROK 2;	
228 Pediatrics	KROK 1; International Examination in Foundations of Medicine (fundamental disciplines); English language of professional orientation		KROK 2; International Examination in Foundations of Medicine (clinical disciplines); Practical (clinical) exam

II. Stages and mandatory components of the qualification exam  
for specialties for which the admission to MSc degree program  
based on Bachelor's degree is carried out

Specialty	Stages and mandatory components of the qualification exam
	First stage(in the second year of study)
223 Nursing	KROK 2;
224 Medical diagnostics and treatment technologies	KROK 2;
227 Physical therapy, ergotherapy	KROK 2; Practical (clinical) exam
229 Public Health	KROK 2;

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MINISTRY OF HEALTHCARE OF UKRAINE

ORDER

11.09.2018

Kiev

No. 1647

On approval of the unified state qualification examination schedule for a higher education master's degree applicants and test exams licensed integrated examinations for educational qualification level of specialist, bachelor and junior specialist applicants in the field of knowledge "22 Healthcare" in 2019

In accordance with the Procedure for a unified state qualification exam conduct for a higher education master's degree applicants in specialties in the field of knowledge "22 Healthcare", approved by the Cabinet of Ministers of Ukraine dated March 28, 2018 No. 334, paragraph 5 of the Regulation on the system of licensed integrated examinations for specialists with higher education in "Medicine" and "Pharmacy", approved by the Ministry of Healthcare of Ukraine order, dated August 14, 1998 No. 251, registered at the Ministry of Justice of Ukraine on September 11, 1998, No. 563/3003,

ORDER:

1. To approve the unified state qualification examination schedule for a higher education master's degree applicants and test exams licensed integrated examinations for educational qualification level of specialist, bachelor and junior specialist applicants in the field of knowledge "22 Healthcare" in 2019 (hereinafter referred to as the Schedule), which is attached .

2. To the director of state organization " Testing center for professional competence of specialists with higher education in the fields of knowledge "Medicine" and " Pharmacy" under the Ministry of Healthcare of Ukraine" (I. I. Bulakh) and to the rectors of institutions of higher education, providing training for specialists in the field of knowledge " 22 Healthcare", ensure implementation of the Schedule within their authority.

3. The control over the implementation of this order shall be assigned to the Deputy Minister O. Linchevsky

Acting Minister

(signature)

U. SUPRUN

APPROVED

Ministry of healthcare  
of Ukraine order  
09/11/2018 No. 1647

The unified state qualification examination schedule for a higher education master's degree applicants and test exams licensed integrated examinations for educational qualification level of specialist, bachelor and junior specialist applicants in the field of knowledge "22 Healthcare" in 2019

09.01.2019	KROK M. Obstetrics
09.01.2019	KROK M. Medical prophylaxis
15.01.2019	KROK 2. Laboratory diagnostics
26.02.2019	<b>USQE, Stage 1</b> for the specialty «Dentistry» <i>Krok 1 and the English language of professional orientation</i>
26.03.2019	Krok 3. General medical training
26.03.2019	Krok 3. Dentistry
26.03.2019	Krok 3. Laboratory diagnostics
April, 2019	<u>Re-pass of USQE, Stage 1</u> for the specialty «Dentistry» <i>Krok 1 and the English language of professional orientation</i> (on the state organization "Testing center for professional competence of specialists with higher education in the fields of knowledge "Medicine" and "Pharmacy" under the Ministry of Healthcare of Ukraine" schedule)
21.05.2019	Krok 2. General medical training (national students) Krok 2. Medical psychology
24.05.2019	Krok 2. General medical training (foreign students)
30.05.2019	Krok 2. Dentistry
30.05.2019	Krok 2. Pharmacy Krok 2. Clinical pharmacy Krok 2. Perfumery and cosmetics technology
04.06.2019	Krok M. Medicine
04.06.2019	Krok Б. Laboratory diagnostics
04.06.2019	Krok M. Laboratory diagnostics
11.06.2019	Krok M. Nursing
11.06.2019	Krok Б. Nursing
19.06.2019	<b>USQE, Stage 1</b> for the specialty «Pharmacy» <i>Krok 1 and the English language of professional orientation</i>
19.06.2019	Krok 1. Pharmacy (for III-IV year by correspondence students)
19.06.2019	Krok 3. Pharmacy

25.06.2019	<b>USQE, Stage 1</b> for the specialty «Medicine» <i>International Foundations of Medicine Examination (fundamental disciplines)</i>
26.06.2019	<b>USQE, Stage 1</b> for the specialty «Medicine» and «Medical psychology» <i>Krok 1 and the English language of professional orientation</i>
August, 2019	<u>Re-pass of USQE, Stage 1</u> for the specialty «Medicine» <i>International Foundations of Medicine Examination (fundamental disciplines)</i> <u>Re-pass of USQE, Stage 1</u> for the specialty «Medicine», «Pharmacy» and «Medical psychology» <i>Krok 1 and the English language of professional orientation</i> (on the state organization " Testing center for professional competence of specialists with higher education in the fields of knowledge "Medicine" and " Pharmacy" under the Ministry of Healthcare of Ukraine" schedule)
05.11.2019	Krok 3. General medical training
05.11.2019	Krok 3. Dentistry
05.11.2019	Krok 3. Laboratory diagnostics

Director general

Directorate of science, innovations,  
education and personnel

(signature)

M. Mruga

## THE PROCEDURE, CONDITIONS AND TERMS FOR DEVELOPING AND CONDUCTING OF A UNIFIED STATE QUALIFICATION EXAM AND CRITERIA FOR RESULTS EVALUATION

This procedure defines the main principles of development and conduction of a unified state qualification exam for Master's degree in higher education applicants in specialties in the field of knowledge "22 Health care", conditions and terms of its conduct, as well as the criteria for results evaluation.

The unified state qualification exam (hereinafter-the qualification exam) consists of testing components and objective structured practical (clinical) exam (hereinafter-practical (clinical) exam) \*.

The qualification exam test components include:

- Integrated Test Exam "KROK" (hereinafter referred to as "KROK" exam);
- English language professional proficiency exam \* \*;
- International Foundations of Medicine Examination.

### I. Test components.

#### 1. General provisions.

1.1. The main organizational and technological measures for preparation and conduct of the qualification examination test components are carried out:

for "KROK" exams and the English language professional proficiency exam –by the state organization "Testing Center for Professional Competence of Higher Education Specialists in the fields of knowledge "Medicine" and "Pharmacy " under the Ministry of Healthcare of Ukraine" (hereinafter - Testing Center under the Ministry of Healthcare of Ukraine) (hereinafter - the Testing Center);

for the International Foundations of Medicine Examination–by the developer of such exam.

1.2. The content of the exams "KROK" and the exam in English language of professional orientation must comply with higher education standards.

The content of the international foundations of medicine examination must complete approved international standards, recognised in Ukraine.

The qualification exam test components are made on the basis of standardized testing technologies. They are held in written, test or computer forms.

There should be no more than 200 tests for each test component.

All test components of qualification exam are carried out by Testing Center on unified closed tests and by a unified methodics.

1.3. Checking the results of the qualification exam test components is carried out: for "KROK" exam and the exam in the English language of professional orientation – centrally in the Testing Center;

for the International Foundations of Medicine Examination–by the developer of such exam.

The methodology for carrying out test components of the qualifying examination is determined:

for "KROK" exam and the exam in the English language of professional orientation – centrally in the Testing Center;

for the International Foundations of Medicine Examination—by the developer of such exam.

1.4. The English language of professional orientation exam is conducted in one step at the same time as "KROK" exam.

Duration of "KROK" exam and the exam in English language of professional orientation for Ukrainian citizens students is determined at the rate of 1 minute for 1 test task, for foreign students – 1.2 minutes per 1 test task.

Duration of the exam in English language of professional orientation for Ukrainian citizens students is determined at the rate of 2 minutes for 1 test task, for foreign students -2.2 minutes per 1 test task.

Duration of the International Foundations of Medicine Examination is 4 hours.

1.5. The amount of criterion "passed" for each test component is approved by the Ministry of Healthcare of Ukraine.

Successful pass of the qualification exam is considered as successful pass in each component of the qualification exam.

In case of successful pass of each test component, the student is given a certificate, the form of which is defined:

for "KROK" exam and exam in the English language of professional orientation – by the Testing Center;

for the International Foundations of Medicine Examination—by the developer of such exam.

Information on certificates for "KROK" exam and English exam is entered into the register of certificates of specialists with higher education in the field of knowledge "22 Health care".

## **2. Period of conduction.**

Test components of the qualification exam are conducted according to the schedule approved by the MHU. The schedule is approved annually for a calendar year.

The schedule specifies the dates for each test component of the qualifying exam for each specialty in the field of knowledge "22 Health care" and the term (month) for repeated pass of test components of the qualification exam taking into account that the new passing through should be before the new academic year or the next academic semester starts. The dates of the qualification exam re-pass are determined by the Testing Centre and published on its official website.

For students who were absent at any test component of the qualifying exam on a good (documented) reason- one additional exam re-pass is carried out. The date of additional re-pass is determined by the Testing Center.

## **3. Students registration.**

To take part in qualification exam test components pass can students who are registered to take them.

Registration of students is carried out on the basis of an order from the institution of higher education (hereinafter - IHE) to register students.

Student registration is carried out by:

for “KROK” exams and the English professional proficiency exam - Testing Center;

for the International Foundations of Medicine Examination—by the developer of such exam.

The transfer and processing of students registration data, which are personal data, abroad to a foreign agency, which is the developer of the international foundations of medicine exam, is carried out in compliance with the current legislation of Ukraine on the protection of personal data and on the basis of the student's consent to process personal data.

Student registration begins no earlier than 3 (three) months and ends no later than 2 (two) months before the set date of the test component of the qualifying exam.

The order of students registration and the forms of registration documents submission are determined by the organization (agency) that carries out students registration.

The Testing Center may refuse IHE to register the student for “KROK” exam and the English language professional proficiency examination. The basis for such a decision is:

- improper arrangement of registration documents set;
- submission of an order later than the established term;
- violation of the requirements of the current regulatory framework.

#### **4. Conditions to conduct the qualification exam test components.**

4.1. The test components of the qualification exam are conducted in HEI lecture rooms.

Each lecture room in which the test components of the qualifying exam in writing form are conducted must meet the following characteristics:

absence of partitions for full observation of testing process and unimpeded access to all students who take the test;

proper lighting;

availability of tables (desks, chairs with tables);

equipped with a clock, a board, or other surface on which it can be written the start and the end time of the test;

equipped with video cameras or CCTV systems with automated recording of all stages of testing, with the resulting image covering at least 95% of the room;

enough space for all students taking the test to look in one direction and between them two seats (approximately 1.2 m) to ensure that they do not communicate with each other and do not look into answers of the other students, who take the test.

4.2. The videos made are submitted to the Testing Center for analysis.

During the test, representatives of the Testing Center, IHE and a police officer of the National Police of Ukraine should be constantly present in a lecture room.

HEI representative is determined by the order of the Rector (Director) of the HEI. During the test, the HEI responsible representative cannot walk in the room and communicate with students. The police officer of the National Police of Ukraine, during test, ensures order and public safety, and also controls the presence of technical means in students with the help of metal detector or

other device. Such control is carried out at the entrance of students to the room, after the student returns to the room (in particular, after visiting a lavatory), if the representative of the Testing Center has suspicions about the student's use mobile phones or other technical devices of reading / copying / transmitting information.

Third-party access to the testing room is prohibited.

4.3. Each test component of the qualification examination is passed by the student individually after passing through the identification procedure on the basis of a valid passport. The identification procedure for "KROK" exam and the English language professional proficiency test is determined by the Testing Center, for the International Foundations of Medicine Examination—by the developer of such exam.

Students who have not passed the identification procedure are not allowed to pass the exam what is fixed in the relevant Act. A copy of such Act shall be sent to the IHE for appropriate actions to be taken in accordance with the legal framework on academic integrity.

4.4. During the time allocated for the completion of the test component of the qualifying examination, the student is prohibited:

to prevent other students from working on the test, as well as those responsible for conducting the test component of the qualification exam, to perform their duties;

violate the discipline;

to communicate with the other students, not to pass them any subjects and materials, including examinational;

to disclose in any form information about the content of the test tasks;

to have means of communications, reading, processing, storing and reproducing information, printed and handwritten materials which are not foreseen by the test procedure.

In case of violation of the requirements listed above, the student shall be deprived of the right to continue working on the test and at the request of Testing Center representative, must submit an answer form and leave the room in which the test is conducted, what is recorded in the relevant Act. Such a student receives a score of "0".

4.5. The students' own belongings are left in a specially designated place for the storage for which IHE is responsible.

Students enter the room in the presence of the Testing Center and IHE representatives and a police officer of the National Police of Ukraine, according to the list of the Testing Center representative.

The police officer of the National Police of Ukraine controls the absence of unauthorized during the test mobile phones or other technical devices to read / copy / transfer information using a metal detector or other technical devices.

Seating of students is carried out by a representative of the Testing Center.

Before testing, a representative of the Testing Center instructs on the testing rules. After the instruction, each student receives an examination collection of test tasks.

It is forbidden for anyone to take out from the room an examination collection of test tasks and student's answer sheets during the test.

Student willfully (without the permission of the representative of the Testing Center) cannot leave the room during the test. If the student is required to leave the room for infant feeding, to washroom, on medical indications (confirmation document and advance written notification from the higher education institution to the Testing Center should be present), etc., he or she must notify the Test Center representative and obtain permission.

The student's exit and its duration shall be recorded in the relevant Act.

The Testing Center representative must pick up an examination collection of test tasks and an answer form from any student, who temporarily leaves the room and return them to the student when he or she comes back and is ready to continue.

There is no additional testing time to compensate the student time, spent outside the room.

Upon students' return to the room, a police officer of the National Police of Ukraine shall re-control the absence of unauthorized during the test mobile phones or other technical devices of reading / copying / transmitting information.

Students who have been allowed to leave the room during the exam must have additional seats in the room.

4.6. After completion of work on an examination set of test tasks, the student must attach a personal answer form to his/her exam booklet, hand them over to a Test Center representative and leave the room.

The representative of the Testing Center checks the completeness of the exam set of test tasks and the personal answer form of each student and their correspondence with each other in the presence of the HEI representative.

Students, who have completed the test tasks before the scheduled end of the test, are allowed to leave the room ten minutes before the test is completed. In order not to interfere with students who are still working on the test and to be sure of the test materials safety, no student should leave the premises after the warning is given that there are ten minutes left before the exam finish.

After conducting the test in each room, an appropriate Act is concluded, signed by representatives of the Testing Center and IHE. The form of such an Act shall be determined by the Testing Center.

In order to ensure transparency in the conduct and evaluation of test results, the procedure of making copies of students answer forms can be applied in the HEI. The procedure for making copies of students answer sheets, storing and opening them is determined by the Testing Center.

4.7. In case of poor health during test, the student should inform the representative of the Testing Center and the HEI. In case of failure to continue the test, a representative of the Testing Center shall stop testing for that student and record this fact in the relevant Act.

Students who were absent at the time of passing any test component of the qualification exam must submit to the Testing Center within 3 (three) days from the date of the test the documents proving the reason for absence.

A document, confirming valid reason for students' absence is a duly completed certificate from a student's polyclinic (or certified by a student's polyclinic) regarding temporary disability.

Students who did not provide a certificate or submitted it after a three-day period are considered to have failed to appear for the test component of the qualifying examination without good reason. Such students receive a score of "0".

## **II. Objective Structured Practical (Clinical) Exam**

### **1. General provisions.**

The practical (clinical) exam is conducted in one stage by an examination board, which is formed in a higher education institution. The formation procedure for the examination board shall be approved by the MHU. It is imperative that the board members take into account the absence of a conflict of interests during the formation of the examination board. Higher education institutions submit information to the MHU Testing Center on passing through of the practical (clinical) exam by the applicants and certification within ten days from the exam date.

The practical (clinical) exam is one of the ways of controlling the acquisition of clinical competence by a graduate. The clinical competence assessment approach is based on a comprehensive assessment using end stations that model different types of clinical competence. In this case, all participants undergo the same tests, with a consistent transition from station to station in accordance with the schedule. The results of the tasks at each station are evaluated by a checklist. A variety of simulators, standardized or real patients, are used to conduct an objective structured clinical trial. The essence of the exam is to assess the students' practical and communication skills.

### **2. Venue.**

When planning a practical (clinical) exam, the exam location should be shown schematically. The diagram should indicate all stations and indicate the directions of students' movement from station to station. It is important that the stations are located close to each other and that the student transition period between stations takes a minimum time. The location of the examination rooms shall be such that a call indicating the time of transition to the next station must be equally loud at all stations.

Examination stations during the practical (clinical) examination can be of the following types:

Clinical stations - involve the interaction of students with a real or standardized patient;

Practical stations - include the implementation of technical procedures (injections, ECG recordings, etc.) - such stations may involve narrow specialists (such as resuscitators).

Examination rooms and places for students' practical skills performance should be equipped with video cameras with recording, which will ensure that the decision of the examination board is objective in case of student appeals.

### **3. Requirements for standardized patients**

A standardized patient should be pre-trained. As a standardized patient, it is possible to prepare an intern, a specialized training intern, a practitioner, a former teacher, an actor, a volunteer etc.

A standardized patient should not represent a medical history, but show symptoms of the disease, convey the emotional and personal characteristics of a simulated patient. A standardized patient can participate in the practical (clinical) exam only after appropriate preparation and training. Real patients with acute diseases are not suitable for such an exam, however, patients with chronic diseases in remission with stable physical changes (goiter, pulmonary sounds, heart murmurs, skin changes, deformities) can be used very effectively. Standardized patients have several distinct advantages over real patients: they can be monitored, their medical history more indicative, and the simulation of disease manifestations can be standardized. Using standardized patients, you can control the level of complexity of the exam station, and their use during subsequent exams can allow you to compare accurately the performance of tasks by different students.

#### **4. Conduct organization**

4.1. The practical (clinical) exam includes basic clinical disciplines: internal medicine, surgery and pediatric surgery, obstetrics and gynecology, pediatrics with pediatric infections.

4.2. Students take the exam at the Inter-departments Training Simulation Center.

Number of exam stations - 12. Each station consists of a separate room; the station number and name are indicated at the entrance. If the skill does not involve communication, then you can place several stations in the same room.

For the exam, the student comes in medical clothing and special footwear. When passing the exam, students hand over their cell phones and other gadgets that are returned to them after exam passing.

4.3. Before the exam, each student is registered in a list indicating the examination group. The student is given a sequence number, which is recorded in the checklist of each station. The student also receives a memo (itinerary letter) and is instructed how to get through the stations.

Accordingly, at the same time, the exam group can consist of 12 students, who at each individual station perform the same tasks.

Students move by a sequence number, so they do not cross each other and, accordingly, do not communicate. The beginning and the end of the station's operation is sounded by a ring signal. The duration of each station is the same and ranges from 5 to 10 minutes. If during this time the student did not cope with the task, he interrupts the work and goes to the next station. There is a 1-minute break between stations, during which students move from one room to another (from one station to another).

The tasks that a student can accomplish during an exam depend on the type of station and can be either clinical or practical.

The teacher does not interfere in the process of task completion, does not communicate with the student, but only observes the correctness of his work and puts a grade in a check-list for the completion of each stage of the task.

4.4. In order to confirm the objectivity of student assessment during the exam, each station should videotape the algorithm of student's accomplishment of a clinical or practical task. If the student disagrees with the results evaluation by the examiner in the check-list, the examination board in the presence of the student may review the video and make the final decision.

### **III. Results evaluation criteria.**

#### **1. Criteria for evaluation of the test components of the qualification exam.**

The result of "KROK" exam, the English language professional proficiency exam and the international foundations of medicine exam is presented in qualitative and quantitative forms.

1.1. Criteria for assessment of "KROK" exam and the English language professional proficiency exam.

The qualitative form of the result is presented as "passed" / "failed" and is based on the requirements for professional competence of the specialist in accordance with the standards of higher education.

The quantitative form of the primary result is calculated as a percentage of correct answers, which is converted into a multi-scale normalized exam scale with a mean score of 200 and a standard deviation of 20, that is varying in the range from 140 to 260 points.

1.2. Criteria for assessing international foundations of medicine exam.

The qualitative form of the result is presented as "passed" / "failed".

The quantitative form of the international foundations of medicine exam results is presented in a multivariate standardized exam scale with a mean score of 500 and a standard deviation of 100, that is varying in the range of 200 to 800 points.

#### **2. Practical (clinical) exam evaluation criteria.**

Assessment of the student's work at the station is carried out according to a checklist drawn up on the basis of practical skills algorithm. The maximum score for completing a task at one station is 1 (one) point. Each part of algorithm is assigned a certain part of the score depending on its importance. The importance of each item may vary depending on their number, significance, complexity of execution. After passing all stations, the points are summed up. Maximum student can score 12 points. Qualification exam is considered to be completed if the student after passing all stations scored at least 60 percent of the maximum score.

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\* Objective Structured Practical (Clinical) Examination is held from January 1, 2019.

\*\* Before September 1, 2019, the level of professional competence in a foreign language of professional orientation, which was studied by a student in a higher education institution, is assessed.

Deputy Minister

(signature)

O. LINCHEVSKYY