


<div>ОҢТҮСТІК ҚАЗАҚСТАН MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ</div> <div><div>SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»</div></div>	
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Methodical Recommendations for OSPE / OSKE	

Methodical Recommendations
for evaluation of students' practical skills
by OSPE / OSKE methods

Specialty: 6B10101 –«General medicine »

Discipline: Trav 4303 Traumatology

Year 4

SHYMKENT 2023 г.

ОҢТҮСТІК ҚАЗАҚСТАН

MEDISINA

AKADEMIASY

«Оңтүстік Қазақстан медицина академиясы» АҚ



SOUTH KAZAKHSTAN

MEDICAL

ACADEMY

АО «Южно-Казахстанская медицинская академия»

Department of surgical, oncology travmatology

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Methodical Recommendations for OSPE / OSKE

The guidelines for practical training are developed in accordance with the work program of the discipline (syllabus) "Traumatology" discussed at the meeting of the department

Protocol № 2 from 01 "09" 2023

Head of the department, Doctor of Medical
Sciences, Acting Professor

Abdurakhmanov B.A.

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1. Introduction

The list of tasks for assessing practical skills includes 5 stages. Each practical task is focused on the workplace (stations), specially equipped with devices and situational tasks to perform the corresponding task. It takes 5 minutes to complete each station; the examiner must complete all tasks in 25 minutes.

Assessment of the results of the exam is carried out by the sum of the points received by the student at all 3 stages. As you progress through all the stations, the examiner must score a total of 20 points.


2. Information for the examinee:

Before the exam, all students are given badges and a summary certification sheet of the examiner with a code;

- The student must know his cipher number;
- The student starts the exam immediately after the sound signal;
- As the next sound signal sounds, the student proceeds to the next stage, regardless of the status of the assignment;
- The student should not ask questions to the examiner.

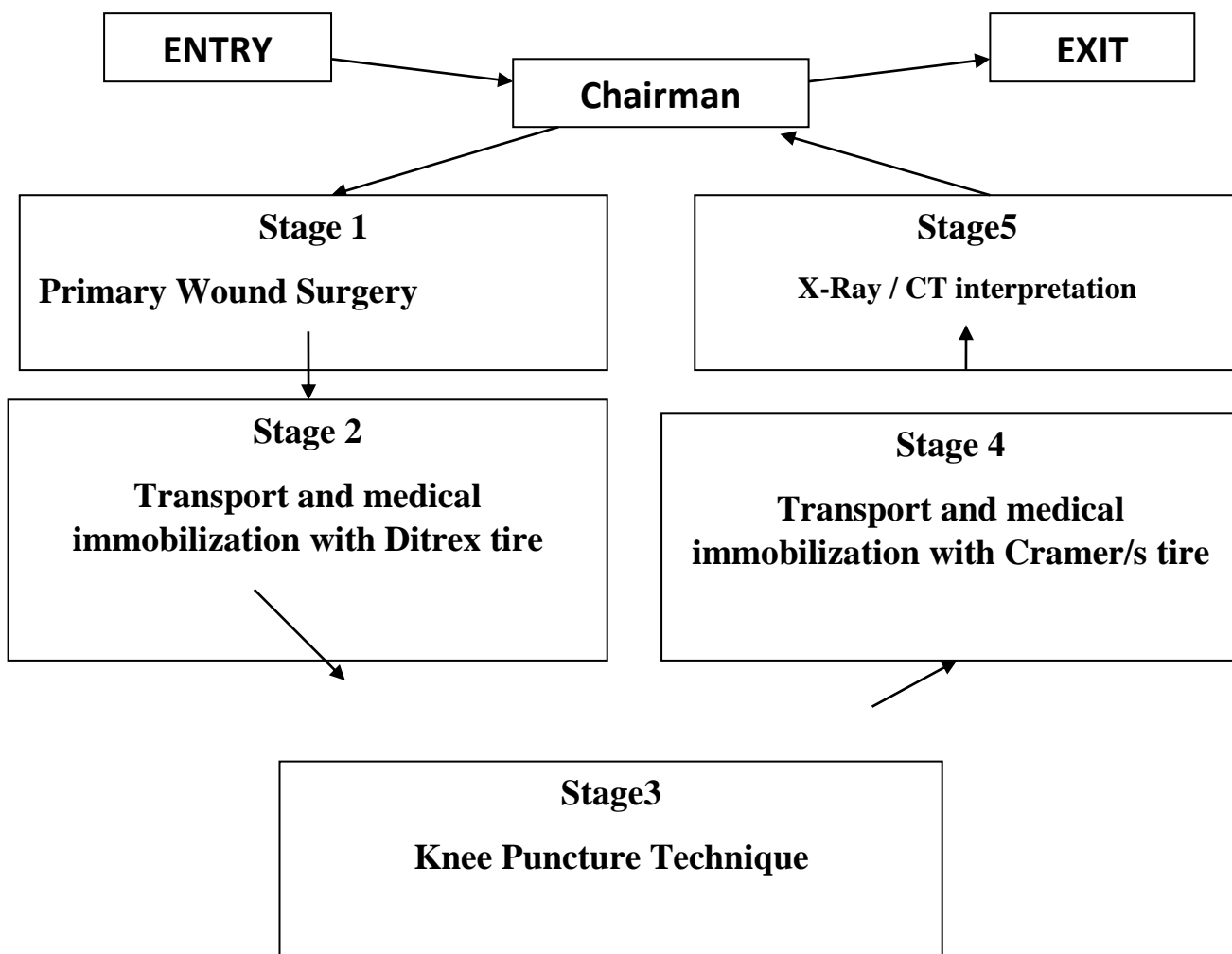
3. Information for the examiner

- Each examiner is assigned a stage for which he is responsible until the end of exam;
- The examiner should note the student's badge number (cipher) in the examination sheet "step-by-step and total assessment of practical skills and abilities in discipline points" (Clause 7), carefully and impartially monitor the student's assignment;
- The examiner must evaluate the student's assignment in accordance with the "Criteria for the assessment of the actions of the examinee in the step-by-step implementation of practical skills and abilities" (clause 8) and enter the points for each step on the Examination sheet "step-by-step and total assessment of practical skills and abilities in points for discipline ";
- The examiner must calculate the total score, enter in the "Summary attestation sheet of the examinee" (paragraph 9) at the level of his stage, sign and transfer to the student;
- The examiner should not come into contact with the student and ask him leading questions;
- The examiner must pass the examination sheet "step by step and total assessment of practical skills and abilities in points on discipline" to the secretary;
- The examiner is required to take part in summing up the total exam results for each student.


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4. Diagram of the sequence of stations

5. The list of tasks for the certification of practical skills OSKE technologies




6. List of devices, instruments and documentations required for the OSPE / OSKE performing

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№ Stages	Name of the station	Necessary equipments
1	Primary Wound Surgery	Information for the examiner, assignment for the student, syringe, wipes, tweezers, clamp, antiseptic solutions (70% ethyl alcohol, 5% iodine solution, 0.25% novocaine solution, 3% hydrogen peroxide solution, furatsilina solution.) Manipulation is performed on a phantom..
2	Transport and medical immobilization with Ditrex tire	Information for the examiner, assignment for the student, bandage, roller under the knee area and feet. Manipulation is performed on a volunteer.
3	Knee Puncture Technique	Information for the examiner, assignment for the student, syringe, wipes, tweezers, clamp, antiseptic solutions (70% ethyl alcohol, 5% iodine solution, 0.25% novocaine solution). Manipulation is performed on a phantom.
4	Transport and medical immobilization with Cramers tire	Information for the examiner, assignment for the student, bandage, roller under the armpit. Manipulation is performed on a volunteer.
5	X-Ray / CT interpretation	Information for the examiner, assignment for the student, using ready x-ray and ct pic

7. Criteria for scoring the actions of the examinee in the step-by-step implementation of practical skills

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STAGE1

Primary Wound Surgery

№	Assessment criteria of the steps	Scores		
1.	The student thoroughly washed his hands, correctly picked up the necessary tools: tray, cotton balls, sterile tweezers.	0,6	0,4	0,2
2.	Observing sterility, put on a mask, gloves, treated his hands with alcohol.	0,6	0,4	0,2
3.	Help to lay the patient down: lying on his back.	0,8	0,6	0,4
4.	I treated the edges of the wound with 5% iodine solution, twice and 1 time with 70% ethyl alcohol.	1,0	0,8	0,6
5	The surgical field was limited by a sterile napkin. Treated the edges of the wound with 70% ethyl alcohol. Anesthetized the edges of the wound with 0.5% novocaine solution. Removed foreign bodies and non-viable tissue. Treated inside the wound with a 3% solution of hydrogen peroxide, then treated with a solution of furatsilina. Dry gauze swab dried up the wound. Treated the edges of the wound with 70% ethyl alcohol. He applied an aseptic dressing.	1,0	0,8	0,6
		4,0	3,0	2,0

Maximal score: 4

Time allocated for the task: 5 min

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STAGE2

Transport and medical immobilization with Ditrex tire

№	Name of the station	Necessary equipments		
1	Help to sit the patient, gave the limbs an average physiological position.	0,6	0,4	0,2
2	Modeled a Ditrex tire for a healthy limb.	0,6	0,4	0,2
3	The tire was transferred to a sore limb, in the inguinal cavity and under the foot he put cotton-gauze rollers.	1,2	1,0	0,8
4	Using a bandage, he pressed the splint to the limb at the fracture site, and then in the middle of the thigh and lower leg to the hip joint.	1,0	0,8	0,6
5	Strengthened the upper and lower ends of the tire with a bandage.	0,6	0,4	0,2
		4,0	3,0	2,0

Maximal score: 4

Time allocated for the task: 5 min

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STAGE 3

Knee Puncture Technique

№	Assessment criteria of the steps	Scores		
1.	Student thoroughly washed his hands and correctly selected the necessary tools. Observing sterility, put on a mask, gloves, treated his hands with alcohol	0,6	0,4	0,2
3.	He described the position of the patient during the manipulation.	0,6	0,4	0,2
4.	He named typical accesses and demonstrated one of them:	1,2	1,0	0,8
5.	Conducted anesthesia with a solution of novocaine or lidocaine. Demonstrated the technique of puncture of the knee joint. Processed the puncture site. The taken punctate was poured into a sterile tube and sent for laboratory testing.	0,8	0,6	0,4
		4,0	3,0	2,0

Maximal score: 4

Time allocated for the task: 5 min

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STAGE 4

Transport and medical immobilization with Cramer tire

№	Assessment criteria of the steps	Scores		
1	He sat the patient, gave the limbs an average physiological position.	0,6	0,4	0,2
2	Modeled Cramer's tire for a healthy limb.	0,6	0,4	0,2
3	The tire was transferred to a sore limb, in the armpit and under the hand put cotton-gauze rollers.	1,0	0,8	0,6
4	Using a bandage, he pressed the splint of the limb at the fracture site, and then from the middle of the hand to the shoulder joint.	1,0	0,8	0,6
5	Connected the upper and lower ends of the tire with a bandage.	0,8	0,6	0,4
		4,0	3,0	2,0

Maximal score: 4

Time allocated for the task: 5 min

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STAGE 5

Demonstrate your practical skills in interpreting x-rays for bone fractures and joint dislocations.

№	Assessment criteria of the steps	Scores		
1	Tell the correct image name and evaluate the quality of the image (soft, hard, medium hard). Evaluating the quality of the image, take into account the presence of images of bones and dislocations of the joints on it.	0,6	0,4	0,2
2	Student describe the bones in the picture, evaluate their nature (types of fractures, the nature of the fracture line, bone structure), dislocations in the joints (complete, incomplete, complicated), location.	0,6	0,4	0,2
3	Identify pathological radiological signs of fractures and dislocations of joints, bone disease.	0,8	0,6	0,4
4	Your alleged conclusion	1,0	0,8	0,6
5	Give the right radiological conclusion	1,0	0,8	0,6
		4,0	3,0	2,0


Maximal score: 4

Time allocated for the task: 5 min

8. Examination sheet of step-by-step and summary assessment of practical skills and abilities in points

Examiner’sfull name_____ ‘____’ _____2024y


№	Cipher	Steps					TOTAL Score Points	Examiner’s Signature
		1	2	3	4	5		
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Head of the department, d.m.s , a.d professor

Abdurakhmanov B.A.

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9. SUMMARY EXAMINATION LIST

Cipher _____ « _____ » 2024 y.

Points by stages	Stages					Total score	%	Mark
	1	2	3	4	5			
Examiner's Signature								

Head of department

Abdurakhmanov B.A.

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9. SUMMARY EXAMINATION LIST

Cipher _____ « _____ » 2024 y.

Points by stages	Stages					Total score	%	Mark
	1	2	3	4	5			
Examiner's Signature								

Head of department


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10. CRITERIA FOR EVALUATING OSKE RESULTS

Number of points	Scope fluctuation limits(%)	MARK	
9,5 points and lower	49% and lower	«2»	unsatisfactory
10-13 points	50-69%	«3»	satisfactory
14-16 points	70-84%	«4»	satisfactory
17-20 points	85-100%	«5»	satisfactory

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11. SCORES FOR EVERY STAGE OF OSKE

№	Name of the station	SCORES				Max. stage score
		«2»	«3»	«4»	«5»	
1	Primary Wound Surgery	0-1,9	2,0-2,6	2,7-3,2	3,3-4,0	4
2	Transport and medical immobilization with Ditrex tire	0-1,9	2,0-2,6	2,7-3,2	3,3-4,0	4
3	Knee Puncture Technique	0-1,9	2,0-2,6	2,7-3,2	3,3-4,0	4
4	Transport and medical immobilization with Cramers tire	0-1,9	2,0-2,6	2,7-3,2	3,3-4,0	4
5	X-Ray / CT interpretation	0-1,9	2,0-2,6	2,7-3,2	3,3-4,0	4
TOTAL		9,5 p.	10-13 p.	14-16 p.	17-20 p.	20

Head of department