


ОҢТҮСТІК ҚАЗАҚСТАН MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ	 SKMA -1979-	SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
DEPARTMENT OF «Introduction to the clinic»		044-75-11
Methodological guidelines for the acquisition of clinical skills in the TDO (using the execution algorithm)		

Methodological manual for the teacher on teaching clinical skills at the Center for practical skills (using the algorithm of execution)

Rules and techniques of subcutaneous vaccination of patients.




Specialty: GM

Course: 2

Department: "Introduction to the clinic"

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Reviewed and discussed at the meeting of the department
 Protocol No. 5 25 .11.2022

Head of the Department



Zhumadilova A.R.

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1.Name of the clinical skill: Intradermal administration of drugs

2.The purpose of training: Mastering the skills of intradermal administration using the necessary substances.

3.Time required for preliminary instruction and demonstration of the skill on a dummy: 5 minutes.

4.Time required to master the skill on your own: 10 minutes

5. Learning objectives:

The student should know.

- * Sanepid mode of the treatment room
- * The order of execution in \ in, in \ m, in \ k for needles
- * Procedure for the use of drugs
- * Know the specifics of the administration of certain drugs

The student must be able to.

- * Dispose of used tools in a syringe, etc.
- * Use of a disposable syringe.
- * Features of drip administration
- * Monitoring of the general condition of the patient

6. Trainer: Manual simulator for subcutaneous injections and injections and punctures.

Theoretical knowledge necessary for mastering clinical skills:

1 Ability to find the correct location of the wrist intradermal injection of the trial fracture and the procedure.

2 Ability to communicate with patients.

3 Proficiency in general deontological theories.


4 Mastery of sterilization measures.

5 It is necessary to fully master the nursing work.

7.List of medical products and equipment: in the tray: medicines, syringe, twist, cotton balls, 70% ethyl alcohol, cutter, gloves.

8.Execution algorithm:

№	Step-by-step actions	Performance ratings	
		yes	no
1.	Wash your hands with warm water and soap		
2.	Put on gloves and treat them with a ball of alcohol		
3.	Expose the injection site		
4.	Determine the injection site		
5.	Treat the injection site with a sterile ball moistened with 70-degree alcohol with an area of 10X10 cm in one direction		
6.	Treat the injection site with a second sterile alcohol ball with an area of 5X5 cm in one direction		
7.	Release the air from the syringe		
8.	Take the syringe in your right hand, hold the needle coupling with the second finger, the piston with the 5th finger, and the cylinder with the other fingers		
9.	Make a crease at the injection site, with the 1st and 2nd fingers of the left hand		

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10.	Insert the needle with a quick movement at an angle of 30-40 degrees at the base of the fold for 1\3 of the length of the needle holding it with a slice up		
11.	Release the left hand by lowering the fold		
12.	Pull back the plunger slightly with the fingers of your left hand, make sure that the needle does not get into the vessel (no blood in the syringe)		
13.	Inject the medicinal substance slowly		
14.	Remove the syringe with a needle with a quick movement		
15.	Press the injection site with a dry sterile ball		

Evaluation criterion

Time allotted for the task - 5 minutes


Maximum score: (100%)

Score: (%)

Full name and signature of the teacher who evaluated the criterion:

Test

1. What site is used for the intradermal allergy test?
 - a) the lower third of the anterior surface of the shoulder;
 - b) the middle third of the anterior surface of the forearm;
 - c) the middle third of the back surface of the forearm;
 - d) the middle third of the back surface of the shoulder;
 - e) the lower third of the anterior surface of the forearm.
2. What is the needle insertion angle for an intradermal allergy test?
 - a) 10°;
 - b) 20°;
 - c) 30°;
 - d) 15°;
 - e) 45°.
3. What amount of the solution is administered by intradermal injection?
 - a) 0.1 ml;
 - b) 0.01 ml;
 - c) 1.0 ml;
 - d) 0.5 ml;
 - e) 0.05 ml.
4. What areas of the body are most convenient for subcutaneous injections:
 - a) the outer surface of the shoulder;
 - b) the inner surface of the shoulder;
 - c) the outer surface of the thigh;
 - d) the inner surface of the thigh;
 - e) subscapular region;
 - e) lateral surface of the anterior abdominal wall.
5. After subcutaneous administration of the drug, its effect occurs through:
 - a) 10 minutes;

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- b) 15 minutes;
 - c) 20 min;
 - d) 25 minutes;
 - e) 30 min.
6. The volume of the solution administered subcutaneously simultaneously should not exceed:
- a) 1 ml;
 - b) 2 ml;
 - c) 3 ml;
 - d) 5 ml.
7. Specify the recommended angle of needle insertion for subcutaneous injection:
- a) 15-20°;
 - b) 30-45°;
 - c) 50-60°;
 - d) 80-90°.
8. The temperature of the oil solution injected subcutaneously must be at least:
- a) 15-20° C;
 - b) 20 -25° C;
 - c) 25-30° C;
 - d) 30-35° C.
9. Recommended needle length for hypodermic injection:
- a) 3 cm;
 - b) 4 cm;
 - c) 5 cm;
 - d) 6 cm.
10. The maximum allowable volume of solution for subcutaneous infusion:
- a) 250 ml;
 - b) 400 ml;
 - c) 500 ml;
 - d) 1000 ml.

9. Criteria for evaluating the performance of the skill.

Completed : The student completed a 10-step clinical skill. Completed the entire skill from greeting to subcutaneous administration of medicines. There was contact with the patient. When the condition improved, they were sent for further examination and treatment, and otherwise, that is, when the condition worsened, an ambulance was called.


Completed by half: the student completed a clinical skill out of 10 6. He said hello, but did not complete the entire manipulation. There was no feedback from the patient. Said goodbye.

Failed: The student failed to complete the 10-step clinical skill. I didn't perform the whole manipulation. There was no feedback from the patient. Didn't say goodbye.

10. Literature:

Main references

- 1) A list of templates (samples) of SOPs for PHC (rules, instructions, procedures, algorithms) of the Accreditation Center (as of 06.06.2013) with additions by participants of the workshop on 27.05.2013.

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- 2) CINAHL Nursing EBSCO Publishing, (Ipswich, Massachusetts), 2018 Dec 28.:
- 3) <http://web.b.ebscohost.com/nup/detali/detali?vid=4&sid=b85faf7c-a1be-4631-c2004b2046ee%40pdc-vsessmgr01&bdata=JnNpdGU9bnVwLWxpdmUmc2NvcGU9c210ZQ%3d#AN=T703863&db=nup> 85a-
- 4) Methodological recommendations "Standardization of clinical and non-clinical production processes in medical organizations, their implementation and monitoring", RSE at PCV "RCRZ" of the Ministry of Health of the Republic of Kazakhstan, 2017