


ONTÜSTIK QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ	 SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
Department of Infectious Diseases and Dermatovenereology Algorithm of putting on and removing the anti-plague suit	044/28-05

**Guidelines for teaching clinical skills
 at the Practical Skills Center
 (using the execution algorithm)
 using the algorithm of putting on and removing the anti-plague suit**

Specialty: "General Medicine"
 Discipline: Infectious diseases
 Course: 4
 Department: Infectious Diseases and Dermatovenereology
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Shymkent 2022

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Considered at the meeting of the department

Protocol No. 4 of 30.11 2022

Head of the Department Abuova G.N. Candidate of Medical Sciences, Professor
 Abuova G.N.

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Algorithm of putting on and removing the anti-plague suit		

1. The name of the clinical skill: Putting on and removing the anti-plague suit.

2. The purpose of the training: To train the student to put on and take off the anti-plague suit in accordance with the tactics of the doctor in case of suspicion of particularly dangerous infections, according to the NPA.

3. Time required for preliminary instruction and demonstration of the skill on a dummy: 10 min.

4. Time required for self-mastery of the skill: 20 min.

5. The necessary theoretical knowledge to master the clinical skill:


- 1. The general concept of particularly dangerous infections (OOI).
- 2. Regulatory legal acts on OOI.
- 3. Prevention of OOI.
- 4. Infection prevention and infection control.
- 5. Personal protective equipment.
- 6. Anti-plague suit, types.
- 7. Tactics of the doctor in case of suspicion of OOI.
- 8. Notification scheme for OOI.
- 9. Transportation and burial of the corpse of the deceased from OOI.
- 10. Protection of borders and territories from the import and distribution of OOI.

6. List of simulators, mannequins, models, visual aids: Anti-plague suit.

7. List of medical devices and equipment:


1. Pajamas or overalls, medical slippers, medical cap, kerchief (hood), anti-plague robe, positive pressure hood respirator, cotton gauze mask (dust mask, filter or oxygen-insulating gas mask), glasses, rubber gloves, towel, socks, slippers, rubber boots;
2. For decontamination of the suit, separate containers with a disinfectant solution are provided for processing: boots or galoshes, gloved hands in the process of removing the suit, cotton gauze masks, dressing gown, kerchief (hood), towels, gloves, glasses are immersed in 70% alcohol.
3. During disinfection by autoclaving, boiling or in a disinfecting chamber, the suit is folded into bixes, double bags, respectively.

8. Skill execution algorithm:

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№	Step-by-step actions:	Completed	Not completed	Note
1	Algorithm for putting on an anti-plague suit			
2	When identifying a patient suspected of being infected with quarantine infections, he requested protective clothing and assumed a comfortable position for work. An anti-plague suit is put on before entering the room where they work with infectious material. I took the anti-plague suit, checked its completeness.			
3	I started correctly by putting on pajamas (overalls). Correctly demonstrated putting on socks and slippers. He put a medical cap on his head, a kerchief (hood).			
4	Correctly demonstrated putting on an anti-plague dressing gown. The ribbons at the collar of the robe and the belt of the robe were tied in front on the left side with a loop, after which he fastened the ribbons on the sleeves. Correctly demonstrated putting on boots.			
5	Correctly demonstrated putting on a cotton-gauze mask (respirator): the upper edge of the mask was left at the level of the lower part of the orbits, the lower edge went under the chin. The mask (respirator) covers the mouth and nose. He tied the upper ribbons of the mask with a loop on the back of his head, and the lower ones on the crown. I put cotton swabs on the sides of the nose wings.			

№	Step-by-step actions:	Completed	Not completed	Note
1	Algorithm for removing the anti-plague suit			
2	The suit was removed in the following order, immersing gloved hands in a disinfectant solution after removing each part of the suit: boots were wiped from top to bottom with tampons, abundantly moistened with a disinfectant solution, and a towel was taken out;			
3	Correctly demonstrated the removal of boots and took off his glasses, pulling them forward with both hands, up and back behind his head;			

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4	Correctly demonstrated the untying of the cotton-gauze mask and removed it without touching the face with its outer side;			
5	Correctly demonstrated the untying of the collar of the robe, the belt and lowering the upper edge of the gloves, untied the sleeve ties, took off the robe, wrapping the outer part of it inside;			

9. Tasks:

Master the tactics of a doctor in case of suspicion of OOI.
 Master the algorithm of putting on and removing the anti-plague suit.

10. Materials for self-assessment on the topic of the lesson:

1. Available... type of anti-plague suit.

- A. IV
- V. II
- S. III
- D. I

2. Type I anti-plague suit is worn


- A. with cholera
- B. before the final diagnosis in patients with bubonic and cutaneous forms of plague and before receiving the first negative bacteriological examination
- C. in the focus of pulmonary and septic plague, with GL, pulmonary form of anthrax and glanders
- D. with bubonic and, or cutaneous forms of plague and in the absence of new patients

3. Type II anti-plague suit is worn

- A. before the final diagnosis in patients with bubonic and cutaneous forms of plague and before receiving the first negative bacteriological examination
- B. with cholera
- C. in the focus of pulmonary and septic plague, with GL, pulmonary form of anthrax and glanders
- D. with bubonic and, or cutaneous forms of plague and in the absence of admission of new patients

4. Type III anti-plague suit is put on

- A. cholera

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- B. with bubonic and or cutaneous forms of plague and in the absence of new patients
- C. in the focus of pulmonary and septic plague, with GL, pulmonary form of anthrax and glanders
- D. until the final diagnosis in patients with bubonic and cutaneous forms of plague and before receiving the first negative bacteriological examination

5. Type IV anti-plague suit is worn

- A. in bubonic and, or cutaneous forms of plague and in the absence of new patients
- B. until the final diagnosis is established in patients with bubonic and cutaneous forms of plague and before receiving the first negative bacteriological examination
- C. in the focus of pulmonary and septic plague, with GL, pulmonary anthrax and glanders
- D. with cholera

6. The IV type of anti-plague suit consists of

- A. caps (small scarf), anti-plague dressing gown (surgical), socks, slippers.
- B. pajamas, anti-plague dressing gown (surgical), socks, slippers.
- C. pajamas, caps (small scarf), socks, slippers.
- D. pajamas, hats (small kerchief), anti-plague dressing gown (surgical), socks, slippers.

7. An anti-plague suit is put on before entering the room where they work with infectious material in the following sequence:

- A. pajamas (overalls), socks, slippers, medical cap, kerchief (hood), anti-plague robe and boots, mask, glasses, rubber gloves, towel.
- B. pajamas (overalls), slippers, socks, medical cap, kerchief (hood), anti-plague robe and boots.
- C. socks, slippers, medical cap, kerchief (hood), anti-plague robe and boots.
- D. pajamas (overalls), socks, medical cap, anti-plague robe and boots.

8. The ribbons at the collar of the robe and the belt of the robe are tied... be sure to loop, then fasten the ribbons on the sleeves.

- A. on the right side
- B. in front on the left side
- C. behind
- D. in the middle

9. The suit is removed by immersing the gloved hands in a disinfectant solution after removing each part of the suit, after removing the gloves, if

there is a suspicion of a violation of the integrity of the gloves, they are checked

- A. by air
- B. by inflating
- C. by pulling hands
- D. in a disinfectant solution

10. After removing the anti-plague suit, the hands are treated ..., then thoroughly washed with soap.

- A. iodine
- B. hydrogen peroxide solution
- C. water
- D. 70% alcohol

11. Criteria for evaluating the performance of the skill:

№	Implementations	Evaluation criteria
1	Completed	All steps are taken into account when performed correctly.
2	Half done	It is counted for small errors during execution in 3 steps
3	Did not complete	Makes mistakes during execution by more than 3 steps.

12. Literature, basic and additional:

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Main:


1. Abuova G. N. collection of doctors from diseases: textbook-Shymkent, 2017. 448 p.

Additional:

Abuova G. N. Syndromic differential diagnoses of lung diseases: studies. - handbook for universities, 2017 320 p.

In Russian:

Main:

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1. Guidance of practical classes on infectious diseases for students of medical universities. E. S. Belozarov, Yu. V. Lobzin, E. I. Arkhipova, publishing house SpetsLit, 2017; 576 P.

2. National Guide to Infectious Diseases +CD. Ed. Renuka N. D., Vengerova Yu. Ya., 2009.

Additional:

1. diagnosis of a typical state of an infectious disease (standardized patient). Textbook. N. D. Ermuk, E. V. Volchkova. Publishers-Media, 2017; p. 454.

2. Differential diagnosis of infectious diseases. Guide for doctors. V. A. Kazantsev, A. P. Kazantsev; publishing house; Agency of Medical information (MIA), 2013 496 p.

3. food toxicoinfection. Food poisoning. N. D. Ermuk; publisher, Geotar-Media, 2017; 160 P.

4. Atlas of Infectious Diseases; Vladislav Ivanovich Luchchev; Sergey Nikolaevich Zharov, Vladimir Vladimirovich Nikiforov, Geotar-Media Publishing, 2014; 224 p.

In English:

Standards of correct answers for evaluation material:

- 1-A
- 2-C
- 3-A
- 4-B
- 5-D
- 6-D
- 7-A
- 8-B
- 9-D
- 10-D