

**Assessment tools for certification
in practice "PRACTICAL TRAINING IN EMERGENCY MEDICAL PROCEDURES"
for students of the educational program
Specialist degree
in the specialty 31.05.01 General Medicine,
direction (profile): General Medicine,
form of study: Full-time form
for the 2023-2024 academic year**

1. Assessment tools for conducting current certification in practice "PRACTICAL TRAINING IN EMERGENCY MEDICAL PROCEDURES"

Current certification includes the following types of tasks: assessment of mastering for practical abilities (skills), independent student's work in registration of medical documentation (ambulance call report (ACR), signal sheet).

1.1. Examples of test tasks for evaluation of mastering for practical abilities:

Tested competencies: ОПК-6.2.3, ОПК-6.2.4; ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1.

- 1) Demonstrate how ambulance personnel should interact with emergency services, including fire brigades, service of incidence response, police, trouble crew of gas distribution services
- 2) Demonstrate skills of intradermal and subcutaneous injections
- 3) Demonstrate skills of intramuscular injections
- 4) Demonstrate skills of blood pressure measurements
- 5) Demonstrate skills of transport immobilization

2. Assessment tools for conducting intermediate certification in practice "PRACTICAL TRAINING IN EMERGENCY MEDICAL PROCEDURES"

Intermediate certification in practice "Practical training in emergency medical procedures" is carried out in the form of a credit with grade.

The intermediate certification in practical training includes the following type of tasks: presentation of reports (diary of practical training) of independent work according to individual task, assessment of mastering for practical abilities (skills), an interview with assessment of answers to control questions.

2.1 Examples of tasks to assess the development of practical skills

Tested competencies: ОПК-6, ПК-1.

№	Examples of practical skills for intermediate certification	Verifiable indicators of
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		competence achievement
1	Demonstrate methods of basic cardio-pulmonary resuscitation (basic life support)	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).
2	Demonstrate skills of intravenous injections using a mannequin for intravenous injections	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).
3	Demonstrate skills of intramuscular injections using a mannequin (model) for gluteal injections	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).
4	Demonstrate skills of blood pressure measurement using an upper extremity model for blood pressure measurement	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).
5	Demonstrate methods of immobilization in upper extremity fractures	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).
6	Demonstrate methods of immobilization in lower extremity fractures	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).
7	Demonstrate methods of bandage application	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).
8	Demonstrate methods of tourniquet placement	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).
9	Demonstrate methods of pulse oximetry	ОПК 6 (ОПК-6.2.3, ОПК-6.2.4); ПК 1 (ПК-1.2.1, ПК-1.2.2, ПК-1.2.4, ПК-1.3.1).

2.2. The list of control questions for the interview

№	Questions for assessment	Verifiable indicators of competence achievement
1.	History of emergency medical services in Russia and in Volgograd region. History of urgency medical care departments in polyclinics.	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
2.	Main tasks, functions and structure of the station and substations of ambulance service. Features of ambulance service in Volgograd region.	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
3.	Main tasks and functions of an operating ambulance team (physician physician's assistant paramedic)	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
4.	Main tasks and functions of a physician or a	ОПК 6 (ОПК-6.2.4);

	physician's assistant of urgency medical care department in a polyclinic	ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
5.	Basic rules of safety precautions in work of a physician or a physician's assistant of urgency medical care department	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
6.	Rights and obligations of a physician's assistant of an operating ambulance team	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
7.	Disinfection measures in ambulance vehicles	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
8.	Medical and transportation triage in mass casualties during accidents on the scene	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
9.	Prevention of HIV-infection and hepatitis infection accidents	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
10.	Physician's assistant's duties in staffing medical bags. Lists of available medications, indications for available medications	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
11.	Equipment of ambulance vehicles.	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
12.	Emergency situations and accidents: rules and regulations of an accident notice. Features of accident notice in Volgograd region.	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
13.	Ethics and deontology in the work of a physician's assistant, prevention of iatrogenic casualties	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
14.	Anaphylactic shock: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
15.	Dislocations, fractures, and bruises: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
16.	Hypertensive crisis: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
17.	Hypovolemic shock: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
18.	Hypoglycemic coma: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
19.	Dizziness: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
20.	Defibrillation and cardioversion: indications, methods, rules of safety precautions working with automatic and manual defibrillators	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
21.	Artificial lung ventilation: indications, technique, complications.	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-

		1.3.1)
22.	Cardiogenic shock: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
23.	Ketoacidotic coma: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
24.	Clinical and biologic death: criteria. Rules and regulations for handling a corpse, actions of a physician's assistant when death occurs in an ambulance vehicle, at home.	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
25.	Pulmonary hemorrhage: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
26.	Fever: types, clinical picture, urgency medical care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
27.	Intravenous infusions: methods, complications and their prevention	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
28.	Methods of tourniquet placement to stop bleeding	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
29.	Methods of ECG interpretation (heart rate and rhythm determination, signs of ischemia and necrosis)	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
30.	Methods of temporary hemostasis (in arterial, venous, capillary external bleeding)	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
31.	Methods of transport immobilization (fracture splinting)	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
32.	Mechanical asphyxia: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
33.	Impaired consciousness: types, reasons for development, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
34.	Fainting: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
35.	Burns and burn shock: classification, clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
36.	Acute left ventricular heart failure: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
37.	Acute renal colic: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
38.	Acute gastrointestinal bleeding: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-

		1.3.1)
39.	Acute poisoning: sources, clinical picture, prehospital emergency care. Antidotes.	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
40.	Acute poisoning with ethyl/methyl alcohol: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
41.	Acute coronary syndrome: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
42.	Quincke's edema: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
43.	Hypothermia: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
44.	Food poisoning: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
45.	Bronchial asthma attack (acute exacerbation): clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
46.	Resuscitation kit: devices and instrumentation for emergency cardiology medical care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
47.	Cardiopulmonary resuscitation (basic life support). Technique. Complications, their prevention and treatment.	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
48.	Sunstroke, heatstroke: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
49.	Cramps and seizures: clinical picture, prehospital emergency care, rules of transportation	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
50.	Poisonous snake bite: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
51.	Insect bite: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
52.	Drowning and near-drowning: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
53.	Chemical burns, including esophagus and stomach: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
54.	Shock: clinical picture, prehospital emergency care, rules of transportation	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)
55.	Electrical injury, lightning injury: clinical picture, prehospital emergency care	ОПК 6 (ОПК-6.2.4); ПК 1 (ПК-1.2.1; ПК-1.2.2; ПК-1.3.1)

4. Example of an exam ticket

Federal State Budgetary Educational Institution of Higher Education
"Volgograd State Medical University"
Ministry of Health of the Russian Federation

Department: Outpatient and emergency medical care
Practice "Practical training in emergency medical procedures"
Specialist in specialty 31.05.01 General Medicine
Direction (profile) «General Medicine»
Form of study full-time
Course: 3 Semester: 6
Academic year: 2023-2024

Exam ticket № 1

Exam questions:

1. Equipment of ambulance vehicles.
2. Acute coronary syndrome: clinical picture, prehospital emergency care.

Examination task for assessment of practical skills:

1. Demonstrate methods of basic cardio-pulmonary resuscitation (basic life support)

Head of the Department _____

The full fund of assessment tools for the practice is available on the educational portal of VolgSMU with the link:

2023-2024 academic year. Practical training in emergency medical procedures. 3rd year of study, 6th semester <https://elearning.volgmed.ru/course/view.php?id=8486>

Considered at the meeting of the department of Outpatient and emergency medical care

"25" May 2023, protocol №10.

Head of the Department
Outpatient and emergency
medical care



Krayushkin S.I.

