

**Assessment tools for certification  
in the discipline  
"Diagnosis and treatment of emergency conditions in the practice of a  
dentist "  
for students of the educational program  
Specialist  
in the specialty 31.05.03 Dentistry,  
direction (profile) Dentistry,  
form of study Full-time form  
for the 2023-2024 academic year**

Intermediate attestation is carried out in the form of an offset.

Intermediate certification includes the following types of tasks: interview, solving a situational problem.

1. Examples of situational tasks

Verifiable indicators of achievement of competence: UK-1.3.1; UK-1.2.1, UK-1.2.3; UK-1.2.2; UK-1.3.2; GPC-1.2; GPC-5.1; GPC-6.1; GPC-7.1; GPC-9.2.1; GPC-13.1.2; PC-2.1; PC-3.1.1, PC-3.1.2; PC-3.3.3; PC-3.2.1; PC-3.2.2; PC-3.2.3; PC-3.3.1; PC-3.3.2; PC-3.3.3;

Clinical situational task 1

A patient with rheumatic heart disease (combined mitral valve disease with predominance of mitral stenosis) was brought from the therapeutic department to the dentist for tooth extraction.

Sitting in a chair, the patient watched with fear the preparation of instruments for extraction and suddenly began to suffocate. The face was covered with sticky sweat, acrocyanosis developed, breathing became bubbling, pink foam appeared. Pulse 120 bpm per minute, arrhythmic, weak filling. BP 100/60 mmHg During auscultation of the lungs, a lot of small and medium bubbling wet rales are heard in all fields, which makes it difficult to auscultate the heart.

1. What happened to the patient?
2. What is the mechanism of hemodynamic disorders in this condition?
3. Urgent help?
4. Can cardiac glycosides be administered?
5. Tactics of the dentist to prepare this patient for tooth extraction?

Clinical case study 2

Patient P., 68 years old, suffering from hypertension for many years, suddenly fell down in the store. On examination, the face is purple, breathing is hoarse, the right cheek is puffed out ("sails"), the nasolabial fold on the right is smoothed. The pupils do not react to light. The right arm and leg are atonic. Pulse 62 bpm per minute, tense.

1. What happened to the patient?
2. Necessary additional examination?
3. Urgent help?

2. List of interview questions

№	Questions for midterm assessment	Verifiable indicators of achievement of competencies
1.	Causes of hypertensive crisis and the mechanism of its	YK-1.3.1; YK-

	development. Diagnostics. Emergency care at the dentist's appointment	1.2.1,УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
2.	Causes of acute coronary syndrome and the mechanism of its development. Diagnostics. Emergency care at the dentist's appointment	УК-1.3.1; УК-1.2.1,УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
3.	Causes of pulmonary embolism and the mechanism of its development. Diagnostics. Emergency care at the dentist's appointment	УК-1.3.1; УК-1.2.1,УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
4.	Acute vascular insufficiency. Fainting, collapse. Diagnostics, differential diagnostics. Emergency care at the prehospital stage.	УК-1.3.1; УК-1.2.1,УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3;

		ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
5.	Pulmonary edema. Etiology. Classification. Pathogenetic variants of the development of pulmonary edema. A differentiated approach to the provision of emergency care at the prehospital stage.	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
6.	Sudden death. Algorithm for rendering resuscitation measures. Development of the principles of cardiopulmonary resuscitation	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
7.	Attack of bronchial asthma. Clinic, diagnostics. Emergency care in a dental setting. Asthmatic status. Clinic, diagnostics, emergency care.	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
8.	Acute respiratory failure (ARF). Etiology. Principles of emergency care for pneumothorax, foreign body aspiration, ARF of unknown etiology.	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1;

		ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
9.	Emergency conditions in diabetes mellitus. Hyperglycemic comatose conditions. Diagnostics, emergency care.	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
10.	Hypoglycemic coma, hypoglycemic state. Clinic, diagnostics, emergency care.	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
11.	Acute adrenal insufficiency. Clinic, diagnostics, emergency care.	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
12.	Hypoparathyroidism. Clinical manifestations, features of the management of patients by a dentist with hypoparathyroidism.	УК-1.3.1; УК-1.2.1, УК-1.2.3;

		УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3;
13.	Allergic reactions. Generalized urticaria. Quincke's edema. Clinic, diagnostics, emergency care at the prehospital stage.	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3
14.	Allergic reactions. Anaphylactic shock. Clinic, diagnostics, emergency care at the prehospital stage.	УК-1.3.1; УК-1.2.1, УК-1.2.3; УК-1.2.2; УК-1.3.2; ОПК-1.2; ОПК-5.1; ОПК-6.1; ОПК-7.1; ОПК-9.2.1; ОПК-13.1.2; ПК-2.1; ПК-3.1.1, ПК-3.1.2; ПК-3.3.3; ПК-3.2.1; ПК-3.2.2; ПК-3.2.3; ПК-3.3.1; ПК-3.3.2; ПК-3.3.3

The full fund of assessment tools for discipline is available in the EIES of VolgSMU at the link (s): <https://elearning.volgmed.ru/course/view.php?id=8559>

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Head of the Department



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