All-Russian Olympiad for Students and Residents in Surgical Dentistry and Maxillofacial Surgery with International Participation "Manus et Mente"

Federal State Budgetary Educational Institution of Higher Education "First Saint Petersburg State Medical University named after Academician I.P. Pavlov" under the Ministry of Health of the Russian Federation

Federal State Budgetary Military Educational Institution of Higher Education "S.M. Kirov Military Medical Academy" under the Ministry of Defence of the Russian Federation

Private Institution of Continuing Professional Education "Saint Petersburg Institute of Postgraduate Dental Education"



CONTENTS

General Provisions 3–4

Stage I 5

Stage II 5

Stage III 6–12

Program 13–14

General Regulations

This Regulation defines the procedure for organizing and conducting the First Saint Petersburg Olympiad for students and residents in Oral Surgery and Maxillofacial Surgery with international participation *"Manus et Mente"* (hereinafter referred to as the Olympiad), the organizational arrangements, participation rules, and the criteria for determining winners and prize-winners.

The Olympiad is organized by the Department of Oral and Maxillofacial Surgery at Pavlov First Saint Petersburg State Medical University of the Ministry of Health of the Russian Federation, the Department of Oral Surgery at the Saint Petersburg Institute of Postgraduate Dental Education, the Department of Oral and Maxillofacial Surgery and Oral Surgery at S.M. Kirov Military Medical Academy of the Ministry of Defense of the Russian Federation, and the Research Institute of Dentistry and Maxillofacial Surgery.

The organizational structure of the Olympiad includes a standing Organizing Committee, an Expert Group, the Olympiad Jury, and an Appeals Commission.

Participation Rules:

1. Teams that have successfully passed the first stage of the selection process are eligible to participate in the Olympiad. Applications must be submitted no later than **February 1, 2026** (inclusive, until 23:59).

2. Applications must contain accurate information and be prepared in accordance with the submission guidelines.

3. A team in the specialty *Maxillofacial Surgery* consists of **two members** (eight teams in total). In the specialty *Oral Surgery*, competitors participate individually (**thirteen participants**).

Conditions of the Olympiad:

4.1. Team members may include students in their 4th–6th years of study and residents in their 1st or 2nd year of clinical training in the specialties of Oral Surgery and Maxillofacial Surgery, from Russian and international medical universities.

4.2. Each team may be accompanied by a representative from the educational institution they represent.

4.3. During all practical competitions, intraoperative replacement of participants is prohibited.

4.4. The Olympiad is conducted according to the regulations established by the Organizing Committee and includes theoretical and practical competitions.

4.5. The Jury consists of representatives of the organizing institutions.

4.6. The completion of competition tasks is reviewed and scored by the Jury. Scoring is based on the competition′s established assessment criteria.

4.7. Observers appointed by the Organizing Committee supervise compliance with regulations and monitor participants during the competitions.

4.8. During the competitions, including theoretical questioning within the practical tasks, the use of any information carriers is prohibited. If these rules are violated, the team is subject to disqualification.

4.9. In cases where teams or participants achieve the same total score in the theoretical and practical stages, a **blitz interview** will be conducted by the Jury to determine ranking.

Determination of Winners and Prize-Winners:

5.1. Winners and prize-winners in the theoretical and practical competitions are determined based on the total number of points earned upon completion of all tasks.

5.2. The Olympiad Winner (1st place) is the team or participant who scores the highest total number of points.

5.3. Prize-winners are teams and participants ranked 2nd and 3rd according to the overall total points. In the case of a tie for a prize place (2nd or 3rd), time criteria are applied to determine the final ranking.

5.4. The results of the Olympiad and the determination of winners and prize-winners are confirmed by the Organizing Committee based on the score sheets provided by the Jury.

Awarding of Winners and Prize-Winners:

6.1. Winners and prize-winners are awarded diplomas. Teams not placing in prize positions receive certificates of participation.

6.2. Results are documented in an official report. The reports are approved by the Chair of the Organizing Committee, accompanied by a consolidated scoring sheet.

6.3. The awarding of winners and prize-winners takes place during the closing ceremony of the Olympiad in a formal setting.

Stage I

Team Introduction Contest "My University"

This stage is conducted remotely.

Teams and individual participants are required to submit a **video presentation** about their university and their scientific and clinical work.

Teams and participants from the same university should submit **a single video**.

Stage II

Theoretical Stage

Teams and individual participants are required to provide written responses to a set of questions in the form of:

- Multiple-choice tests,
- Clinical case scenarios,
- Radiographic image interpretation,
- Theoretical knowledge questions on the disciplines of *Oral Surgery* and *Maxillofacial Surgery*.

The questions and clinical cases will vary in complexity for students and residents.

The theoretical material will be projected on a screen and read aloud by the organizers.

To solve the clinical case, the team or participant must formulate an answer and record it on the answer sheet.

At the end of the competition, the completed answer sheets will be collected by the organizers and evaluated by the Jury.

Stage III

Practical Skills Competition

Competition for Students and Clinical Residents in Maxillofacial Surgery

Title: *Plastic Closure of Oroantral Communication Using a Trapezoidal Vestibular Flap*

Clinical Case:
Patient S., 28 years old, presented two hours after extraction of tooth #26.
Both the nose-blowing and oral-nasal communication tests were positive.



Task:
Closure of the oroantral communication using a vestibular trapezoidal flap with interrupted sutures.

Materials:

- Pig mandible (1)
- Forceps (2)
- Needle holder (1)
- Scalpel (1)
- Scissors (1)
- Suture material 4/0

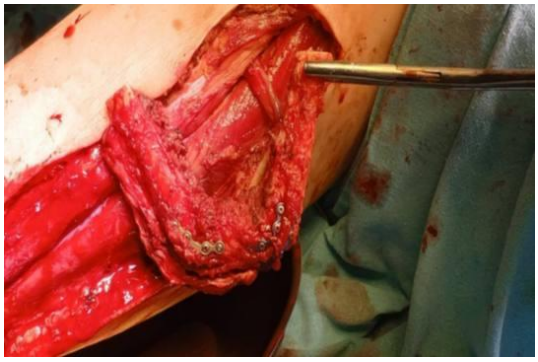
Evaluation Criteria:

Criteria	Points
Time to close the communication	
Up to 30 minutes	25 points
Up to 40 minutes	20 points
Over 40 minutes	15 points
Flap mobility	Yes – 3 points / No – 0 points
Even and symmetrical suture placement	Yes – 3 points / No – 0 points
Trauma to surrounding tissues	Yes – 0 points / No – 3 points
Flap margin adaptation	Yes – 3 points / No – 0 points
Suture tension	Yes – 0 points / No – 3 points

Maximum score: 37 points

Title: *Defect Closure with a Revascularized Fibular Free Flap*

Clinical Case:
Patient N., 34 years old. Diagnosis: *Ameloblastoma of the left mandible.*
Surgical resection of the mandible from the angle to tooth #31 is planned within healthy tissue margins.
The defect is to be reconstructed using a **vascularized fibular autograft**.



Task:
Perform the microsurgical stage and vascular anastomosis:

- *End-to-end* for students
- *End-to-side* for residents

Materials:

- White laboratory rat (1 per team)
- Microsurgical instruments per team:
- Microsurgical forceps (1)
- Vascular clamps (4)
- Microsurgical needle holder (1)
- Microsurgical scissors (1)
- Suture thread 6/0–7/0

Evaluation Criteria:

Criteria	Points
Time to complete vascular anastomosis	
Up to 30 minutes	25 points
Up to 40 minutes	20 points
Over 40 minutes	15 points
Suture tightness	Yes – 3 points / No – 0 points
Even and symmetrical stitch placement	Yes – 3 points / No – 0 points
Trauma to vessel stump	Yes – 0 points / No – 3 points
Vessel edge alignment	Yes – 3 points / No – 0 points
Suture tension	Yes – 0 points / No – 3 points

Maximum score: 37 points

Practical Skills Competition for Students in Oral Surgery

Title: *Management of Single Gingival Recession under an Operating Microscope*

Clinical Case:
Patient A., 28 years old, presents with complaints of gingival recession at the cervical area of the lower central incisor.



Task:

- Perform individual adjustment of the operating microscope
- Harvest a free gingival graft from the palate and perform de-epithelialization
- Eliminate the single gingival recession using a free subepithelial connective tissue graft

Materials:

- Pig mandible (1)
- Scalpel (1)
- Periodontal probe (1)
- Forceps (2)
- Needle holder (1)
- Scissors (1)
- Suture material 6/0

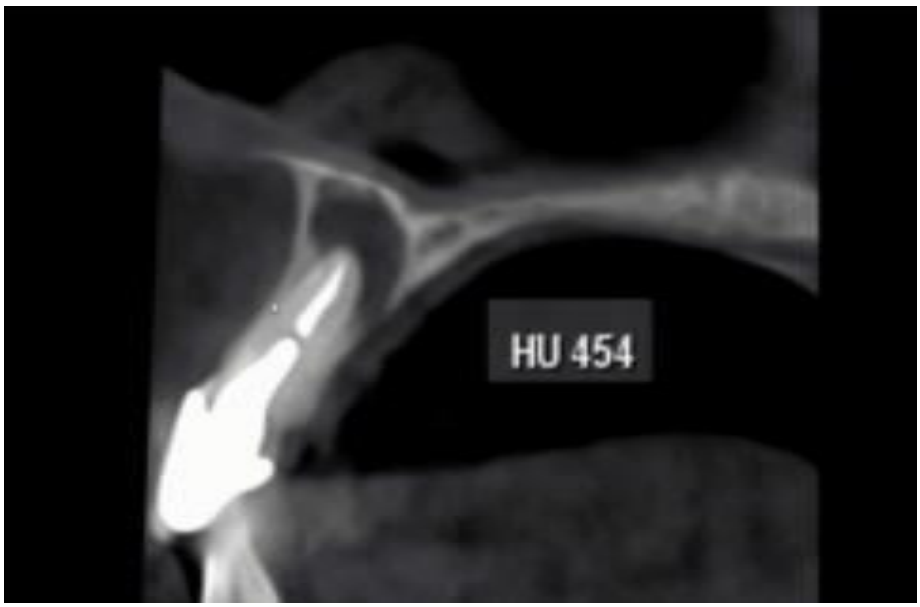
Evaluation Criteria:

Criterion	Points
Proper microscope adjustment	1–5 points
Instrument handling	1–5 points
Bimanual surgical technique	1–5 points
Trauma to surrounding tissues	1–5 points
Suturing technique	1–5 points
Efficiency and time management	1–5 points
Final result	1–5 points

Maximum score: 35 points

Title: *Apicoectomy of a Single-Rooted Tooth under an Operating Microscope*

Clinical Case:
Patient B., 30 years old, presents with the sensation of a ″lump” near the apex of tooth 1.2.
History includes endodontic treatment for chronic periodontitis and placement of a metal-ceramic crown.
CBCT reveals a well-defined periapical radiolucency (~7 mm) at the apex of tooth 1.2.
The root canal is uniformly obturated along its entire length.



Task:

- Perform individual adjustment of the operating microscope
- Access the specified tooth root
- Properly resect the root apex and perform cystectomy
- Perform retrograde root canal filling
- Approximate soft tissue edges and place sutures

Materials:

- Apical surgery phantom (1)
- High-speed handpiece (1)
- Bur (1)
- Scalpel handle and blade (1)
- Periosteal elevator (1)
- Dental forceps (1)
- Curette (1)
- Retrograde filling material – MTA (1)
- Microsurgical needle holder (1)
- Scissors (1)
- Suture thread 6/0 (1)

Evaluation Criteria:

Criterion	Points
Proper microscope adjustment	1–5 points
Instrument handling	1–5 points
Bimanual surgical technique	1–5 points
Trauma to surrounding tissues	1–5 points
Suturing technique	1–5 points
Efficiency and time management	1–5 points
Final result	1–5 points

Maximum score: 35 points

Practical Skills Competition for Residents in Oral Surgery

Title: *Management of Multiple Gingival Recessions under an Operating Microscope*

Clinical Case:
Patient A., 30 years old, presents with complaints of exposed root surfaces on multiple teeth in the upper left quadrant.



Task:

- Perform individual adjustment of the operating microscope
- Harvest a free gingival graft from the palate and perform de-epithelialization
- Eliminate multiple gingival recessions using a free subepithelial connective tissue graft

Materials:

- Pig mandible (1)
- Scalpel (1)
- Periodontal probe (1)
- Forceps (2)
- Needle holder (1)
- Scissors (1)
- Suture material 6/0

Evaluation Criteria:

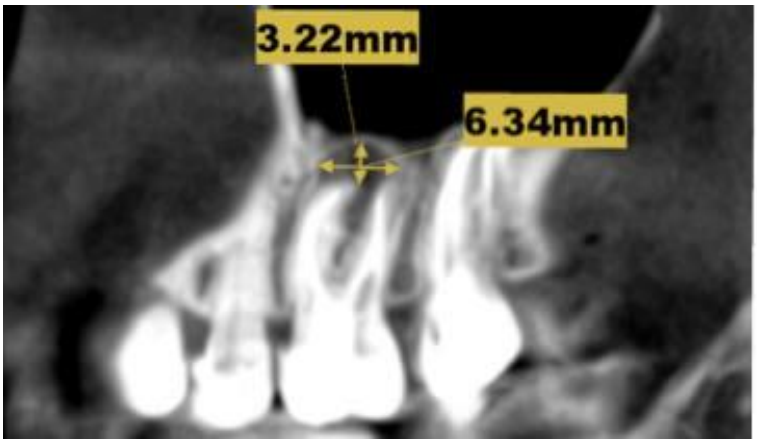
Criterion	Points
Proper microscope adjustment	1–5 points
Instrument handling	1–5 points
Bimanual surgical technique	1–5 points
Trauma to surrounding tissues	1–5 points
Suturing technique	1–5 points
Efficiency and time management	1–5 points
Final result	1–5 points

Maximum score: 35 points

Title: *Apicoectomy of a Multi-Rooted Tooth under an Operating Microscope*

Clinical Case:

Patient V., 35 years old, presents with the sensation of a "lump" in the area of tooth 1.6.
History includes endodontic treatment for chronic periodontitis and placement of a metal-ceramic crown.
CBCT reveals a well-defined radiolucency (~6 mm) in the region of the mesiobuccal root of tooth 1.6.
The canals are well obturated throughout, except in the apical third of the mesiobuccal root, where the filling material is not clearly visualized.



Task:

- Perform individual adjustment of the operating microscope
- Access the specified root
- Properly resect the root apex and perform cystectomy
- Perform retrograde root canal filling
- Approximate the edges and place sutures

Materials:

- Apical surgery phantom (1)
- High-speed handpiece (1)
- Bur (1)
- Scalpel handle and blade (1)
- Periosteal elevator (1)
- Dental forceps (1)
- Curette (1)

- Retrograde filling material – MTA (1)
- Microsurgical needle holder (1)
- Scissors (1)
- Suture thread 6/0 (1)

Evaluation Criteria:

Criterion	Points
Proper microscope adjustment	1–5 points
Instrument handling	1–5 points
Bimanual surgical technique	1–5 points
Trauma to surrounding tissues	1–5 points
Suturing technique	1–5 points
Efficiency and time management	1–5 points
Final result	1–5 points

Maximum score: 35 points

Program

First Saint Petersburg All-Russian Olympiad for Students and Residents in Oral and Maxillofacial Surgery with International Participation "Manus et Mente"

Day 1

Location:
Pavlov First Saint Petersburg State Medical University
Congress Center
6/8 Lva Tolstogo St.

09:00–10:00 – Delegate Registration
10:00–10:30 – Official Opening Ceremony. Welcome Address:

- **Sergey F. Bagnenko** – Rector, Pavlov First Saint Petersburg State Medical University, Academician of the Russian Academy of Sciences, MD, Professor
- **Andrey I. Yaremenko** – Vice-Rector for Academic Affairs, Pavlov First Saint Petersburg State Medical University, President of the STA*R Dental Association, Head of the Department of Oral and Maxillofacial Surgery, MD, Professor
- **Gennady A. Grebnev** – Head of the Department of Oral and Maxillofacial Surgery, S.M. Kirov Military Medical Academy, MD, Professor
- **Alexander L. Rubezhov** – Chief Physician, Dental Polyclinic No. 9, Head of the Department of Clinical Dentistry, North-Western State Medical University named after I.I. Mechnikov, President of the Dental Association of St. Petersburg, PhD, Associate Professor
- **Anna V. Lysenko** – Head of the Department of Oral Surgery, SPBINSTOM, PhD, Associate Professor

Hands-On Training Locations:

- Pavlov First Saint Petersburg State Medical University, Surgical Training Center "Arte"
  Address: 6/8 Lva Tolstogo St.
- SPbINSTOM (Saint Petersburg Institute of Postgraduate Dental Education)
  Address: 58 Metallistov Ave.

Student Section

Time	Activity
10:30–12:00	Theoretical Quiz
12:00–13:00	Lunch
13:00–14:30	Hands-on Training on Simulation Models
15:00–15:30	Summary of Day 1

Clinical Resident Section

Time	Activity
10:30–12:00	Hands-on Training on Simulation Models
12:00–13:00	Lunch
13:00–14:30	Theoretical Quiz
15:00–15:30	Summary of Day 1
16:00–17:00	Tour of Pavlov First Saint Petersburg State Medical University
19:00–21:00	Gala Dinner

Day 2 – Practical Stage

Location:

- Surgical Training Center ″Arte”, Pavlov First Saint Petersburg State Medical University
  Address: 6/8 Lva Tolstogo St.

- SPBINSTOM
  Address: 58 Metallistov Ave.

Time	Activity
09:00–11:00	Student Section Practical Stage
11:00–11:30	Evaluation of Results
11:30–12:00	Lunch
12:00–14:00	Clinical Resident Section Practical Stage
14:00–14:30	Evaluation of Results
14:30–15:00	Lunch
16:00–17:00	Award Ceremony at Pavlov First Saint Petersburg State Medical University