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**RUDN University**

**Institute Of Medicine**

**PROGRAM OF THE PRACTICE**

**« Observing and Assisting a Dentist**

**(Prosthodontics)»**

**Recommended by MSSN\MO for the course of specialty**

**31.05.03 Dentistry**

**The practice is carried out within the framework of the basic professional educational program of higher education (EP HE):**

**«Dentistry»**

## 1. AIM OF THE PRACTICE

The purpose of the practice " Observing and Assisting a Dentist (Prosthodontics)" is to consolidate and deepen the theoretical training of the student, to acquire practical skills, knowledge, and skills, to form competencies that make up the content of the professional activity of the assistant of prosthodontist.

## 2. REQUIREMENTS OF THE RESULT OF PRACTICE

The process of practice "Assistant of prosthodontist" is aimed at the formation of the following competencies (parts of competencies):

*Table 2.1 List of competencies which are formed while studying the practice (result of mastering the practice)*

Code	Competence	Signs of acquiring the competence (in framework of the given practice)
UC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy.	UC-1.1. Analysing the problem situation as a system identifying its components and links between them.
GPC-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	GPC-1.1. Complies with the basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical activity.
		GPC-1.2. Applies ethical norms and principles of behavior of a medical worker in the performance of his professional duties; knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives).
		GPC-1.3. Has practical experience in solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice.
GPC-2	Able to analyze the results of their own activities to prevent professional errors	GPC-2.1. Analyzes the causes of professional errors, adverse outcomes of treatment and conflict situations.
		GPC-2.3. Evaluates the effectiveness of preventive measures aimed at preventing professional errors, adverse outcomes and conflict situations in dentistry

GPC-5	Being able to examine a patient to determine a diagnosis while solving professional tasks	GPC-5.1. Gathering anamnesis by analyzing the patient's complaints, making a physical examination at a dental appointment.
		GPC-5.2. Formulating a preliminary diagnosis and deciding on laboratory and instrumental examinations of a dental patient.
		GPC-5.3. Compiling medical documentation for a dental patient in accordance with regulatory requirements.
		GPC-5.8. Conducting differential diagnosis with other diseases/conditions, including the urgent ones.
		GPC-5.9. Making a diagnosis according to the current international classification of diseases and health problems.
PC-1	Being able to make an examination of a patient to determine a diagnosis.	PC-1.1. Making an initial examination and/or reexamination of a patient to make a preliminary diagnosis.
		PC-1.2. Receiving information from patients (their relatives/legal representatives); conducting a questionnaire survey of patients regarding their general health status; identifying concomitant diseases to make a preliminary diagnosis.
		PC-1.3. Detecting if patients have dentoalveolar, facial anomalies, deformities and prerequisites for their development, defects in the crowns of teeth and dentition based on the patient examination; laboratory, instrumental, and additional examinations in order to make a preliminary/final diagnosis.
		PC-1.4. Detecting if patients have risk factors for oncopathology (including various background processes, precancerous conditions) based on laboratory, instrumental and additional examinations to make a preliminary/final diagnosis.
		PC-1.5. Making a preliminary/final diagnosis based on the patient examination; laboratory and instrumental examinations.

### 3. THE PLACE OF THE PRACTICE IN THE STRUCTURE EP HE

The practice "Assistant of prosthodontist" refers to the basic part of block 2 of the curriculum.

Within the EP HE students also study other disciplines and undergo trainings which contribute to achievement of planned results after studying of the practice "Assistant of prosthodontist".

*Table № 3.1. List of components of EP HE aimed at the formation of the competences of the practice.*

Code	Title of competence	Preceding disciplines	Subsequent disciplines (groups of disciplines)
CC-1.	Able to carry out a critical analysis of problem situations based on a systematic approach, to develop an action strategy.	<ul style="list-style-type: none"> <li>• Prosthodontics (simple prosthetics)</li> <li>• Prosthetics of edentulous patient</li> <li>• Prosthodontics (complex prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>• Prosthetics (complex prosthodontics) – continuation</li> <li>• Maxillofacial prosthetics</li> <li>• Gnathology and functional diagnostics of the temporomandibular joint</li> </ul>
GPC-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	<ul style="list-style-type: none"> <li>• Prosthodontics (simple prosthetics)</li> <li>• Prosthetics of edentulous patient</li> <li>• Prosthodontics (complex prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>• Prosthetics (complex prosthodontics) – continuation</li> <li>• Maxillofacial prosthetics</li> <li>• Gnathology and functional diagnostics of the temporomandibular joint</li> </ul>
GPC-2	Able to analyze the results of their own activities to prevent professional errors	<ul style="list-style-type: none"> <li>• Prosthodontics (simple prosthetics)</li> <li>• Prosthetics of edentulous patient</li> <li>• Prosthodontics (complex prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>• Prosthetics (complex prosthodontics) – continuation</li> <li>• Maxillofacial prosthetics</li> <li>• Gnathology and functional diagnostics of the temporomandibular joint</li> </ul>
GPC-5.	Able to conduct a patient examination in order to establish a diagnosis in solving professional problems	<ul style="list-style-type: none"> <li>• Prosthodontics (simple prosthetics)</li> <li>• Prosthetics of edentulous patient</li> <li>• Prosthodontics (complex prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>• Prosthetics (complex prosthodontics) – continuation</li> <li>• Maxillofacial prosthetics</li> <li>• Gnathology and functional diagnostics of the temporomandibular joint</li> </ul>
PC-1.	Able to conduct examination of the patient to establish a diagnosis.	<ul style="list-style-type: none"> <li>• Prosthodontics (simple prosthetics)</li> <li>• Prosthetics of edentulous patient</li> <li>• Prosthodontics (complex prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>• Prosthetics (complex prosthodontics) – continuation</li> <li>• Maxillofacial prosthetics</li> <li>Gnathology and functional diagnostics of the temporomandibular joint</li> </ul>

#### **4. THE SCOPE OF THE PRACTICE AND TYPRES OF EDUCATIONAL WORK**

The overall complexity of the practice “Assistant of prosthodontist”   3   credits (108 hours).

## 5. CONTENT OF THE PRACTICE

Table 5.1. Content of the practice\*

Title of section of the practice	Section Topics	Labor intensity, hours
Section 1. Organizational and preparatory stage: "Introduction to Practice Course"	Topic 1.1. Safety briefing, general briefing on fire safety, internal regulations of the prosthodontic department of the dental clinic and labor protection rules; Acquaintance with the structure and office work of the prosthodontic department of the dental clinic, training in work in the structural unit; Rights and obligations of a student while practice. Tasks and stages of diagnostics of the prosthodontic department of a dental clinic. Requirements for filling out standard medical documentation and a work practice diary.	3
Section 2. Main stage: "Job as an assistant of a prosthodontist"	Topic 2.1. Performance of work in accordance with the main activities of the orthopedic department of the dental clinic and individual tasks. Acquisition of professional skills. Data collection skills for report	30
	Topic 2.2. Mastering simple manual procedures of an prosthodontic dentist assistant: obtaining an anatomical auxiliary alginate impression, casting a model of the dentition from plaster, making a wax base with an occlusal rim, applying a face bow, obtaining a wax occlusogram, periotestometry of the anterior teeth. screening diagnostics of the mucous membrane with the special device.	60
Section 3 Final stage (report)	Topic 3.1. Collection, processing and analysis of practical experience as an assistant to an orthopedic dentist. Preparation of a written report on the practice. Defending the practice report.	5
Preparation of a practice report		7
Preparation for defense and defense of the practice report		3
	<b>Total:</b>	<b>108</b>

\* - the content of practice by sections and types of practical training is FULLY reflected in the student's report on practice.

## 6. MATERIALS AND TECHNICAL SUPPORT OF THE PRACTICE

To practice "Assistant of prosthodontist" is conducted in the dental clinics and dental departments of clinical bases of the Department of Prosthodontics of the MI RUDN University. The material and technical support of the practice complies with the Procedure for the provision of dental care to the adult population of the Russian Federation.

All premises comply with current sanitary and fire safety standards, as well as safety requirements.

All clinical bases are equipped with modern, high-tech medical equipment that meets the requirements of traditional and innovative dentistry.

Patients are treated at the prosthodontic office. The standard equipment of the dental office includes: a dental unit with a control unit and a unit for an assistant (to ensure "4-handed work"), a doctor's chair and an assistant's chair, a dentist's worktable, a compressor, medical furniture,

handpieces (turbine, mechanical) for dental unit, medical dental instruments, dental consumables, UV lamps, cameras, and accessories for professional photography.

For disinfection and sterilization in accordance with the requirements of requirements, the following are used: autoclaves, dry-heat cabinets, cabinets for storing sterile instruments, glassperlen sterilizers, devices (washers) for ultrasonic pre-sterilization treatment of instruments, devices for preparing tips for sterilization "Assistina", consumables for disinfection and surface treatment, bactericidal lamps, recirculators for room disinfection, air conditioners for room microclimate.

## **7. WAYS OF CONDUCTING THE PRACTICE**

The work practice "Assistant of prosthodontist" can be carried out both in the structural divisions of the Peoples' Friendship University of Russia or in organizations of Moscow (stationary), and at bases located outside of Moscow (exit).

Conducting an internship based on an external organization (outside the RUDN University) is carried out based on an appropriate agreement, which specifies the terms, place, and conditions for conducting an internship in the base organization.

The timing of the practice corresponds to the period specified in the calendar training schedule of the EP HE. The timing of the internship can be adjusted upon agreement with the Department of Educational Policy and the Department for Organizing Practices and Employment of Students at RUDN University.

## **8. METHODOLOGICAL AND INFORMATIONAL SUPPORT FOR THE PRACTICE**

### ***Main literature:***

1. Orthopedic dentistry: textbook / S.D. Arutyunov, E.A. Bragin, S.I. Burlutskaya [and others]; edited by E.S. Kalivradzhiyan, I.Yu. Lebedenko, E.A. Bragina, I.P. Ryzhova. - 3rd ed., revised. and additional - M. : GEOTAR-Media, 2020. - 800 p. : ill. - ISBN 978-5-9704-5272-1 : 2200.00.
2. Technology of dental and jaw prosthetics [Text]: a guide for practical exercises / V. N. Trezubov, E. A. Bulycheva, S. D. Arutyunov. - Moscow: Practical Medicine, 2020. - 167 p. : ill., tsv. ill. ; 25 cm. - Bibliography: p. 167 (10 titles). - 500 copies. - ISBN 978-5-98811-582-3 (in translation)
3. Guide to practical exercises in prosthetic dentistry for 3rd year students / edited by Lebedenko I. Yu., Elicheva V. V., Markova B. P. / (Authors: Arutyunov S. D. and others) Educational allowance. - M. : Practical medicine, 2012. (Part I. - 432 p.). ISBN: 978-5-98811-031-2
4. Guide to practical exercises in orthopedic dentistry for 4th year students / edited by Lebedenko I. Yu., Elicheva V. V., Markova B. P. / (Authors: Arutyunov S. D. and others) Educational allowance. - M. : Practical medicine, 2007. (Part II. - 352 p.). ISBN: 978-5-98811-045-2
5. Dental technique: textbook / S.D. Arutyunov, D.M. Bulgakov, M.G. Grishkin [and others]; ed. MM. Rasulova, T.I. Ibragimova, I.Yu. Lebedenko. - 2nd ed., corrected. and additional - M. : GEOTAR-Media, 2016. - 384 p. - ISBN 978-5-9704-3830-5.

[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=475755&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=475755&idb=0)

### ***Additional literature***

1. Orthopedic dentistry [Text]: Textbook / V.N. Kopeikin [and others]; Ed. V.N. Kopeikina, M.Z. dental faculties of medical universities). - ISBN 5-225-04598- Mirgazitova. - 2nd ed., add. - M. : Medicine, 2001. - 624 p. : ill. - (Educational literature for students 7: 276.00.56.6 - O-70

2. I.Yu. Lebedenko, T.I. Ibragimov, A.N. Ryakhovsky Functional and instrumental research methods in orthopedic dentistry [Text]: Textbook for universities. - M. : Medical Information Agency, 2003. - 128 p. : ill. - ISBN 5-89481-135-X: 260.00.56.6 - L33.
3. Fixed prosthetics: technology for manufacturing a stamped steel crown [Electronic resource]: Educational and methodological guide / L.S. Sergeyev. - St. Petersburg. : Publishing house "Lan", 2018. - 52 p. - (Textbooks for universities. Special literature). - ISBN 978-5-8114-2863-2.
4. Orthopedic dentistry: national guidelines. Volume 1 / ed. I.Yu. Lebedenko, S.D. Arutyunova, A.N. Ryakhovsky. - GEOTAR - Media, 2022. - 824 p. ISBN: 978-5-9704-6366-6
5. Orthopedic dentistry: national guidelines. Volume 2. / ed. I.Yu. Lebedenko, S.D. Arutyunova, A.N. Ryakhovsky. - GEOTAR - Media, 2022. - 416 p. ISBN: 978-5-9704-6367-3.
6. Recording and maintaining a medical record in the clinic of orthopedic dentistry: Textbook / Ed. T.I. Ibragimova.- M.: GEOTAR - Media, 2013.- 223 p.
7. Orthopedic treatment of patients with complete absence of teeth: Proc. allowance: [specialty 060105 (040400) "Dentistry"] / A. P. Voronov, I. Yu. Lebedenko, I. A. Voronov. - 2nd ed., revised. and additional - Moscow: MEDpress-inform, 2009. - 343 p. : col. ill., tab. - ISBN 5-98322-551-0
8. Mironova M.L. Removable dentures [Electronic resource]: Textbook / M.L. Mironov. - M. : GEOTAR-Media, 2016. - 464 p. - ISBN 978-5-9704-3718-6.

***Resources of the information and telecommunications network "Internet":***

1. RUDN ELS and third-party ELS, to which university students have access based on concluded agreements:

- RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>
- ELS "University Library Online" <http://www.biblioclub.ru>
- EBS Yurayt <http://www.biblio-online.ru>
- ELS "Student Consultant" [www.studentlibrary.ru](http://www.studentlibrary.ru)
- EBS "Lan" <http://e.lanbook.com/>
- EBS "Trinity Bridge"

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation <http://docs.cntd.ru/>
- Yandex search engine <https://www.yandex.ru/>
- Google search engine <https://www.google.ru/>
- abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>

***Educational and methodological materials for internship, filling out a diary and preparing an internship report \*:***

1. Safety rules during the practice "Assistant of prosthodontist" (initial briefing).
2. The general arrangement and principle of operation of technological production equipment used by students during their internship; flow charts and regulations, etc. (if necessary).
3. Guidelines for filling in a diary by students and preparing a practice report.

All educational and methodological materials for internships are posted in accordance with the current procedure on the internship page at TUIS!

## **8. EVALUATION MATERIALS AND SCORE-RATING SYSTEM FOR ASSESSING THE LEVEL OF FORMATION OF COMPETENCES IN THE PRACTICE**

Evaluation materials and a score-rating system\* for assessing the level of competency formation (parts of competencies) based on the results of mastering the practice "Assistant of prosthodontist" are presented in the Appendix to this Work Program of the practice.

\* - OM and BRS are formed based on the requirements of the relevant local normative act of the Peoples' Friendship University of Russia. Sections of disciplines and types of classes

### **DEVELOPERS:**

Professor of the Department  
of prosthetic dentistry

Bykova M. V.

Head of the Department  
of prosthetic dentistry,  
Professor

Lebedenko I. Yu.

The head of EP HE,  
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Razumova S. N.