

DESCRIPTION OF COURSES

FOR THE EXAM OF PRECLINICAL DENTISTRY

Description of the purpose of the practical exam of preclinical dentistry:

The practical exam in the field of preclinical dentistry is aimed at practical verification of the student's skills acquired during the course of teaching 6 subjects:

- preclinical prosthetic dentistry,
- dental materials,
- physiology of the masticatory system,
- preclinical conservative dentistry,
- preclinical endodontics,
- dental ergonomics.

The practical exam is carried out in the form of 10 stations with practical tasks. The condition of passing the exam is a positive result of completing tasks carried out at 7 stations. Passing the practical test is a requirement for taking the theoretical part of exam in preclinical dentistry.

The theoretical exam is carried out in the form of a test. The test consists of 100 questions covering the curriculum of 6 subjects listed above. There are 5 possible answers for each question, of which only 1 is correct.

1. Preclinical prosthetic dentistry:

The aim of the teaching subject and the effect of education - skills and competence: dental anatomy terminology, anatomy of the permanent teeth, anatomy of the dental arches, tooth identification systems, norms of dental occlusion. The essential issues of the subject: carving and drawing of the permanent incisors, carving and drawing of the permanent canines, carving and drawing of the permanent premolars, carving and drawing of the permanent molars, carving and drawing of the maxillary dental arch, carving and drawing of the mandibular dental arch, recognition of natural teeth according to the anatomical features, forming of occlusal surface of the permanent teeth.

LITERATURE

- Stanley J. Nelson: Wheeler's Dental Anatomy, Physiology and Occlusion 10th Edition, Elsevier Saunders 2015.
- F.B. Woelfel, Rickne C. Scheid: Dental Anatomy – Its Relevance to dentistry, Williams & Wilkins – 1997.

2. Physiology of the masticatory system :

The subject contains proper occlusion, relations between mandible and maxilla, mandible movements, TMJ anatomy, physiology of mucous membrane, saliva and periodontium, mastication, swallowing, breathing and speech and neuromuscular relations between muscles of mastication and other skeleto-muscular structures.

LITERATURE

Obligatory:

- Management of temporomandibular disorders and occlusion. 7th ed. / Jeffrey P. Okeson. Elsevier 2013
- Functional Occlusion - From TMJ to Smile Design By Peter E. Dawson. Mosby Title, 2007
- Behavioral Dentistry. Ed. by: David Mostofsky, Albert Forgione, Donald Giddon. Blackwell Publishing, 2006

Recommended:

- Wheeler's dental anatomy, physiology and occlusion. Stanley J. Nelson. 10th ed. Elsevier Saunders 2015
- Cause-effect implications in medical procedures. Ed. By Włodzimierz Więckiewicz, Anil Kumar Agrawal, Wrocław 2008

3. Dental materials

The aim of the teaching subject and the effect of education- skills and competence practical application of dental materials in dental technology used in prosthetic dentistry. Teaching goals: physico-mechanical properties of dental materials, biocompatibility of dental materials, dental technology, dental laboratory organization, dental equipment. The essential issues of the subject: properties and practical application of dental materials in dental technology used in prosthetic dentistry.

LITERATURE

Obligatory:

- John M. Powers, John C Watacha: Dental Materials, Properties nad Manipulation, 8th edition, Mosby 2000.
- E.C.Combe: Notes of Dental Materials, 6th edition, Pearson Professional Limited 1997.

Recommended:

- Marcia Gladwin, Michale Bagby: Clinical Aspects of Dental Materials Theory, Practice and Cases ISBN - 2ND ED., Philadelphia: Lippincott Williams & Wilkins, 2004.

4. Preclinical restorative dentistry

Includes knowledge about etiopathogenesis of caries, principles of conventional and adhesive Black Caries Classes, properties of restorative materials and the use of clinical methods restorations, fissure sealing and PRR.

LITERATURE

- Sturdevant's art and science of operative dentistry / ed. Theodore M. Roberson, Harold O. Heymann, Edward J. Swift. - 6th ed.. - St. Louis : Mosby , 2012
- Kidd E.A.M. Smith B.G.N., Pickard H.M.: Picard`s Manual of operative dentistry.9. ed. Oxford Medical Publication 2011.
- Kidd E.A.M.. Joyston-Bechal S. : Essentials of dental caries. 3 ed. Oxford University Press, Oxford 2005

5. Preclinical endodontics

Includes knowledge of root canal treatment in models, endodontium, and dental pulp diseases, knowledge of endodontic instruments, the stages of root canal treatment, endodontic access, working length, chemo-mechanical preparation and root canal fillings, properties and clinical use of materials, rubber dam.

LITERATURE

Obligatory:

- Tronstadt L.: Clinical endodontics. 2nd edition. Georg Thieme Verlag, Stuttgart 2009 Ingle J.I.: Endodontics. Text and CD-ROM for Macintosh and Windows. Decker B.C. 2008

Recommended:

- Torabinejad M., Walton R.E., Endodontics, principles and practice, 5th edition, Saunders Elsevier 2014

6. Ergonomics

This subject includes the etiology of current occupational diseases, ergonomic principles of conducting dental procedures and organization of work in the dental office, knowledge of the principles of occupational safety and hygiene, the ability to organize a dental office and work in accordance with the principles of ergonomics and the application of sanitary and epidemiological regulations, occupational health and safety.

LITERATURE

- Ergonomics and the Dental Care Worker, Denise Murphy PhD, American Public Health Association (June 1988)
- Four Handed dentistry, A handbook of clinical application and ergonomic concepts. Betty Landley- Finkbeiner, Upper Saddle River, New Jersey, 2001