

Halahdina Alla, Gerasym Lalita. Foundation and development of the department of surgical dentistry and maxillofacial surgery of Bukovinian State Medical University. Journal of Education, Health and Sport. 2019;9(3):612-617. eISSN 2391-8306. DOI <http://dx.doi.org/10.5281/zenodo.3163738>
<http://ojs.ukw.edu.pl/index.php/johs/article/view/6933>

The journal has had 7 points in Ministry of Science and Higher Education parametric evaluation. Part B item 1223 (26/01/2017).
1223 Journal of Education, Health and Sport eISSN 2391-8306 7

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The authors declare that there is no conflict of interests regarding the publication of this paper.

Received: 20.02.2019. Revised: 28.02.2019. Accepted: 29.03.2019.

FOUNDATION AND DEVELOPMENT OF THE DEPARTMENT OF SURGICAL DENTISTRY AND MAXILLOFACIAL SURGERY OF BUKOVINIAN STATE MEDICAL UNIVERSITY

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Summary: The article highlights the foundation and development of the department of surgical dentistry and maxillofacial surgery of Bukovinian State Medical University.

Key words: credit-modular system, surgical dentistry, departments of surgical dentistry.

Introduction. Facial surgery and surgical dentistry in Ukraine and in Northern Bukovina in particular has a rich and vivid history. The first schools of dentists were founded in the 19th century. In Western Ukraine, the Department of Dental Care was founded in 1828 at the University of Lviv, and its head, Carl Procop Caliga, created the first textbook for dentists, and published it in German.

The founder of Ukrainian maxillofacial surgery is the prominent 19th century surgeon Yuri Shimanovsky who made a powerful contribution to the development of surgical dentistry in Ukraine. During the 19th century, Ukrainian medical science as a whole and dentistry in particular, received significant development.

There are 18 departments of surgical dentistry now in Ukraine, and post-graduate education of dentists is also accessible. The modern stage of surgical dentistry is characterized by a powerful development of plastic, reconstructive surgery, implantology.

Historyography of the issue. The urgency and importance of dentistry necessitated the creation of a dental faculty within the Bukovinian State Medical University.

By the decision of the State Accreditation Commission, the Bukovinian State Medical University in 2006 was given the right to train 100 specialists of the educational and qualification level “Specialist” in the specialty “Dentistry”.

Since 2008, the students started studying dental disciplines on the basis of the course of dentistry at the Department of Pediatric Surgery. At the same time, the course of dentistry was reorganized, and two specialized departments were created: therapeutic and orthopedic dentistry, surgical and pediatric dentistry, headed by Professor Belikov A.B. and associate professor Kuznyak N.B. respectively. In this structure, the faculty exists until 2012. Dean of the Faculty of Dentistry is Vyacheslav Vasiliiovych Bilookyi, Dr. habil. in Medicine. Annually about 500 students receive dental education.

In 2018, the faculty celebrates its first anniversary.

The main body of the article. The faculty includes the Department of surgical dentistry and maxillar-facial surgery marking this year the 10th anniversary. The main activity of the department is the training of highly qualified medical personnel in the specialty “Dentistry”. Clinical bases are the Department of surgical dentistry and maxillar-facial surgery of the Chernivtsi Regional Clinical Hospital and other medical institutions of the city.

The department of oral surgery, the first head of which became Yuhym Isaakovych Trif, was founded in 1980, since that time it served as a clinical training base for the course of dentistry at the Chernivtsi Medical Institute. In charge of this course was Ph. D. (Medicine), Associate Professor Solom’yany Sergij Maksymovych. Subsequently, this post was occupied by Anatoly Mykolajovych Shanovsky, surgeon of the highest qualification category, graduate of the Dental Faculty of the Pyrohov Odessa Medical Institute. He headed the department until 1991. During 1991-2009, Head of the department was Viktor Kalenchuk, a dental surgeon of the highest qualification category who graduated the Medical University of Chisinau, Moldova, and since 2008 worked as an assistant at the Department of Surgical and Pediatric Dentistry at BSMU. It was at this time that the department became a subdivision of the Chernivtsi Regional Clinical Hospital.

Since 2009, the department is headed by Victor Bedik, a graduate of the Lviv State Medical Institute of 1991, a doctor of the highest qualification category, an active participant in scientific and practical conferences, international forums and symposia, a delegate of congresses of dentists of Ukraine.

Since the end of 2015, the department was headed by the surgeon-dentist of the highest qualification category Kushnir Olexander Leontievich, a graduate of the Ivano-Frankivsk State Medical Academy of 2004, during 2004-2005 he had passed internship on a specialty “Surgical dentistry” on the basis of the Chernivtsi regional clinical hospital, in the department of surgical dentistry. Since 2010, part-time, he worked as an assistant at the department of surgical and pediatric dentistry at the BSMU. He is the author of more than 15 scientific papers, teaches dental students surgical dentistry and surgical preparation of the oral cavity for prosthetics. Since 2016 he is a regional freelance specialist of the Health Department of the Chernivtsi Regional State Administration specializing in Surgical Dentistry and Oral Surgery.

During the period 1997-2008, the course of dentistry was headed by Ph.D. (Medicine), associate professor, dental surgeon of the highest qualification category, Natalia Bogdanivna Kuznyak, the graduate of the Lviv State Medical Institute in 1992, specializing in dentistry. She took post-graduate course at the Pyrohov Vinnytsia State Medical University, where until 1997 she worked as an assistant at the Department of Surgical Dentistry, and from September 1997 as an assistant at the course of dentistry, the Department of Faculty Surgery of the Bukovinian State Medical Academy. Since the establishment of the dentistry faculty of BSMU in 2008, N.B. Kuznyak was elected by competition for the post of head of the department of surgical and pediatric dentistry.

In 1999, she defended her thesis on the topic “Complex treatment of purulent-inflammatory processes in the maxillofacial area with drugs with sorption effect”, in 2000 she received a scientific degree of Ph. D. (Medicine), and in 2002 an academic title “Associate Professor”. In 2011, she began working on a thesis for a doctorate in medical sciences. The Ph. D. viva examination took place in 2017 at Gorbachevsky Ternopil State Medical University. The theme of the scientific work “Comparative embryogenesis of the nasal part of a human and some mammals”.

Since 2012 she is the deputy chairman of the certification commission of the Department of Health of the Chernivtsi Regional State Administration, the leading regional freelance specialist, coordinator of the group in the specialty “Dentistry”.

N.B. Kuznyak is the author of more than 300 scientific works, 14 efficiency innovations, 9 improvement suggestions, invented 5 useful models. Systematically raises the level of her professional skills, improves pedagogical and scientific experience.

Employees of the department conduct active scientific and educational activities, three students training manuals were created by their united efforts, recommended by the

Governing Educational and Training Centre for Higher Medical Education of the Ministry of Health of Ukraine. Curricula and teaching materials for students, internship doctors and doctor-listeners have been developed.

The Department of Surgical Dentistry mainly hospitalize patients with bad maxillofacial condition who need urgent care. Doctors of the department in cooperation with the scientists simultaneously develop new methods of treatment and diagnostics. The operation of lifting the bottom of the maxillary sinus during the implementation of dental implantation on the upper jaw, the operation of transposition of the mandibular nerve with implantation on the mandible, the method of treatment of odontogenic adenophlegmon with sorbents, subperiosteal implantation on toothless jaws, the technique of osteosynthesis of high fractures of the articular process of the mandible by titanium miniplates, parodontal plasty in periodontal diseases with the use of alloplastic dental materials, alveolar ridge augmentation of jaw using bone blocks, a method for optimizing the healing of maxillofacial wounds using growth factors, treatment of chronic catarrhal gingivitis in children living in areas with increased nitrate levels and the like.

Scientific developments of the department are introduced into the practice of medical and preventive institutions in Ukraine (Ivano-Frankivsk, Vinnytsia, Khmelnytsky, Chernivtsi regions), scientific research is used in lecture courses and practical classes. The scientists of the department study the problems of complex treatment of purulent-inflammatory processes of the maxillofacial area with sorbents (N.B. Kuznyak), the techniques of surgery and optimization of osteogenesis in dental implantology (V.V. Kalenchuk), the state of free radical processes in the tissues of the oral cavity combined with diabetes mellitus and ischemia-reperfusion lesions of the brain (A.A. Galagdina), age-related changes in the structure and synchopy of the frontal sinus walls in the human genesis (A.V. Bambulyak). The staff of the department conduct consultative, medical and organizational-methodological work in the profile medical institutions of the city and the region.

Professional achievements of the department's staff are covered in domestic and foreign scientific periodicals, at international and All-Ukrainian scientific congresses, conferences, symposia. The most promising students of the department are actively involved in scientific work. They take part in the All-Ukrainian subject Olympiads in the specialty, are engaged in scientific circles, are involved in the work of organizing and holding International Medical and Pharmaceutical conferences of students and young scientists, deliver reports, successfully presenting the university at the national and international level. The students and teachers of the department became participants of the ADF Conference in Paris, get

acquainted with the specifics of the organization of medical services abroad, and are trained in European clinics. Among the participants of the club “Medical students without borders” (Germany) there are representatives of Bukovinian State Medical University, our students participate in student exchange programs and are recipients of personal scholarships.

The life of dental students is not limited to acquiring professional knowledge and skills. There are a lot of real talents among them who participate in art groups and specialized sport clubs of the Bukovinian State Medical University. Our students open-heartedly take part in charitable actions, help children, participate in flash mobs.

Conclusions. Thanks to the constant attention of the university administration, the Department of surgical dentistry and maxillar-facial surgery is rapidly developing, which contributes to the improvement of the quality of education and science, the preparation of competitive specialists in the field of dentistry, the realization of the possibility of forming a single European educational space where the Bukovinian State Medical University occupies a worthy place.

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