

SamMI there have been achieved progresses in the area of education and scientific-research works. We will share experience of using distant module education system at students' scientific society of Neurosurgical Department of SamMI. The analyses of the scientific-research works performed in the Neurosurgical Department for the last five years have been presented. Scientific-research methods, approaches and results have been carried out in the Department of Neurosurgery in the period of 2000-2016 years. The main source during preparation of students' abstracts and reports served materials of module system education, which meet the requirements of world standard and on the basis of them performing education in SamMI last 3 years. Scientific-research works have been performed among patients who treated with the use of surgical and conservative methods of treatment on the hospital setting in the neurosurgical department of SamMI clinic. In the neurosurgical clinic during one year we took into account all types of neurosurgical diseases, such as patients with brain and spinal cord tumors, traumas, diseases of blood-vessels, abscesses, cysts and parasites diseases. We have enough material bases in order to carry out scientific researches. Scientific-research approaches of the department have been included all problems in the scientific fields and scientific-research works have been organized in the close connection between "medical student" - "master's degree resident and internist" - "scientific applicant" - "assistant professor and professor". There is "students' scientific society" (SSS) in the department in which the advanced medical students carry out scientific-research works on the different actual problems. Scientific works positively assessed in the SSS have been presented in the scientific-practical conferences of students and young scientists annually organized at the institute. At the process of gathering materials will be performed clinical and neurological examinations, at the same time researcher have to visit library where he prepares literature review and looks for data from internet according to the research topic. Exactly at the stage of gathering materials special scientific-research card has been created and the basic parts of this card have been properly filled so that these activities make us easily prepare statistic reports in the next stages of the research work. For the last 16 years the SSS students have been published 53 scientific articles, 21 students took I, II, III places and honored by diplomas and 14 students have got certificates of attendance. So, for the present time the important scientific-research works devoted to the complex approaches of the medicine such as actual problems of neurosurgery have been carried out, the received results were the basis of the doctoral and masters dissertations, writing the scientific articles and abstracts, and also publishing of these articles and abstracts in the Republican and foreign journals and collections of scientific works from the conferences, congresses and symposiums.

#### **THE PREPARATION OF INTERNATIONAL STUDENTS WITH ENGLISH FORMS OF EDUCATION FOR PASS IN THE LICENSE EXAMINATION STEP-2**

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Introduction: Every year, on the basis of Bukovinian State Medical University (BSMU) we can see the tendency to increasing the number of foreign students with English language learning. One of the main criteria for assessing the quality of the knowledge gained during the training are the results of license examination Step 2. To improve the results of the examination on the basis of BSMU it was established practice passing the training test. The aim of the study. The aim was to analyze the effectiveness of the training test of English students BSMU in the form of license examination in Step 2. Material and methods. During the period of 2015-2016 academic year for international students, it was organized three training test (three were writing and two - in online regime). For the purpose of comparing it was formed the two groups. The first (I) group included 86 students who passed the writing training test at the within of the spring semester. Another group formed 86 foreign students who formed the previous "pre-step" at the end of autumn semester. The results of research. Assessed the average result (AR) by correct answers to tests, the number of students that passed and did not pass the 75% threshold of correct answers, the average result of successfully and not successful passed testing (75% correct answers). The analysis showed that the average result of training test (TT) students I group was slightly higher than in II group. Thus, AR for TT was 83,0% (maximum - 98,0% and minimum - 54,0%) and 74,5% (maximum - 97,0% and minimum - 32,5%,  $p > 0,05$ ) respectively. Training tests successfully passed 68 (79,1%) students of I group versus 48 (55,8%) patients of the second ( $P < 0,05$ ). Barrier 75% correct answers did not below 18 (20,9%) students I group versus 38 (44,2%) students of the second comparison group ( $P < 0,05$ ). AR above 60,0% recorded in 82 (95,3%) students of the I group and only in 72 (83,3%) persons of the second ( $P > 0,05$ ). At the same time, a chance to increase the average result with each successive test increased almost four times (odds ratio equal 3,9 (95% CI 1,3-11,4)). The average result among students I group who successfully passed the TT, was 86,8% against 85,4% in the person second ( $P > 0,05$ ). Mean values of test persons who did not pass the 75% threshold were 68,5% versus 60,7% ( $P > 0,05$ ) respectively. Conclusions: Routine testing training of foreign students with English learning in format of the license examination Step-2 stimulates them to actively study on the server 123.bsmu.edu.ua and increase the likelihood of obtaining better results in exams by almost half.

#### **TRAINING SIMULATION IN MEDICAL EDUCATION - A TURNING POINT**

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Realizatsiya priority national projects in healthcare, reform and modernization processes of the industry revealed a particularly acute problem of training of health workers. Throughout the industry there is an acute shortage of qualified professionals. It is logical that one of the main directions in the field of medical education is the need for a significant strengthening of the practical aspects of training of future physicians while maintaining an adequate level of theoretical knowledge. This condition is characterized by the student's clinical training, in our opinion, it is very complex and "sick" question in any institution, regardless of its status and value. On the one hand, the growing demands of new state educational standards for professional competence of graduates, and on the other, unsolved problems of clinical departments that are experiencing the well-known difficulties in their work - in many respects difficult training at the early stages of clinical training. Currently, simulators are used for training and objective assessment of students in many fields of human activities that involve high risks. Each