

Medical Education

System of Educational Process Organization at the Department of Endocrinology and the Department of Internal Medicine No 1, Immunopathology and Allergology named after academician Neiko Ye.M. of Ivano-Frankivsk National Medical University

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Abstract

The article highlights the system of educational process organization during module 1 of the subject "Internal Medicine" at the Department of Endocrinology and the Department of Internal Medicine No 1, Immunopathology and Allergology named after academician Neiko Ye.M. of Ivano-Frankivsk National Medical University. The possibilities of combining long-term experience and the traditions of national medical school with the principles of the credit-module system are described.

Keywords

educational process; credit-module system

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The provision of education to students according to the credit-module system is among the advanced areas in the development of education sector. The basis for the pan-European educational reform is an establishment of international standards for the formation of a single European labor market, the improvement of educational service quality and the obtainment of unrivaled advantages of European education [1].

The Bologna Process is a process of structural reformation of national higher education system in European countries, changes in the educational programs and necessary transformation in higher educational institutions across countries in Europe. It aims at creating the European scientific and educational space to increase the capacity of higher educational institution graduates for employment, improve the mobility of citizens in the single European labor market, raise the competitiveness of European higher education. Nowadays 46 European countries, including Ukraine are its participants [2].

The European Credit Transfer and Accumulation System (ECTS) was created to provide a united interstate procedure of measuring and comparing the results of students' learning process between the educational institutions and guarantee academic recognition of studies abroad. It was developed to provide students' mobility, simplify understanding and comparison of the educational programs and students' achievements both among Ukrainian educational institutions and foreign ones.

At the Department of Endocrinology and the Department

of Internal Medicine No 1, Immunopathology and Allergology named after academician Neiko Ye.M., the Bologna Process was implemented in the 2008-2009 academic year. The task of academic teaching staff was to combine their long-term experience and the traditions of national medical school with the principles of the credit-module system.

Teaching of our subject is carried out according to the education (working) program "Internal Medicine" accepted 5.10.2015.

The forms of control and evaluation system are in accordance with the requirements of the discipline program and the instructions of the system of evaluation based on the credit-module system of the educational process, approved by the Ministry of Health of Ukraine (2005) [3, 4].

The evaluation of the student's academic achievement in the subject "Endocrinology" is included in the overall assessment of the student's academic performance in the subject "Internal Medicine", module 1 and is composed of the sum of academic achievement scores and a score of final control through the evaluation of theoretical knowledge and practical skills obtained by the students.

The maximum number of points a student can achieve during module 1 is calculated by multiplying the number of points (4) and topics (21) constituting 84 points. Thirty-six points (9x4) in endocrinology are added to the latter number. Thus, the maximum number of points a student can achieve during module 1 is 120 (84+36) points.

The minimum number of points that a student can achieve during module 1 is the selection criterion for the final control of the module; it is calculated by multiplying the number of points (2) and topics constituting $21 \times 2 + 9 \times 2$. Thus, the minimum number of points a student can achieve during module 1 is 60 (42+18) points.

During the assessment of each modular topic mastering a student gets scores according to the 4-grade scale using evaluation criteria approved by medical cyclic committee including points for test control, mastering of practical skills (management of patients in the department), solving and processing case studies, his/her individual activity. The students' individual activity is evaluated during the control of the topic.

While learning the subject, each student has an opportunity to get additional points for individual activity (preparation of reports, participation in the students' scientific circle, various academic activities, annual student conferences, etc.). Points for individual tasks are awarded for successful performance and presentation only. The number of points allocated for different types of individual tasks depends on their volume and significance; however, not more than 4 points. They are added to the sum of points obtained by the student for the final module control.

A special attention is paid to clinical thinking ability and work with patients [5]. We use the following structure of clinical study:

1. Interview (complaints, medical history, life history).
2. Direct study (examination, percussion, auscultation, palpation).
3. Analysis of instrumental and laboratory tests.
4. Differential diagnosis.
5. Final diagnosis.
6. Plan of preventive activities.

The final module control is carried out upon the completion of the module during the last lesson of a course. Students, who have attended all the classes required by the syllabus and received not less than minimal scores, are admitted to the final module control. The maximum score for this module is 200 points (including points for endocrinology): 120 points for current academic performance + 80 points for the final module control.

Conclusions

The teaching of module 1 of the subject "Internal Medicine" at the Department of Endocrinology and the Department of Internal Medicine No 1, Immunopathology and Allergology named after academician Neiko Ye.M. of Ivano-Frankivsk National Medical University according to the credit-module system presented very clearly advantages; however, it is required to improve this educational system.

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Received: 2 Feb 2018

Revised: 26 Feb 2017

Accepted: 26 Feb 2017