



GENERAL SURGERY

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The second edition

Vinnytsia
Nova Knyha
2020



*Recommended by the State Institution “Central methodical cabinet of the higher medical education of the Ministry of Health of Ukraine” as a textbook for students of higher educational institutions
(protocol No 2 from 02.06.2017)*

*Рекомендовано Державною установою “Центральний методичний кабінет вищої медичної освіти Міністерства охорони здоров’я України” як підручник для студентів вищих навчальних закладів
(протокол № 2 від 02.06.2017)*

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General surgery = Загальна хірургія : textbook : переклад з укр. / ed. by Prof.: Ya. S. Bereznytsky, M. P. Zakharash, V. H. Mishalov, V. O. Shidlovskyi. – 2th ed. – Вінниця : Нова Книга, 2020. – 328 с. : іл.
ISBN 978-966-382-852-7

The contents of the textbook correspond with curriculum for the general practitioner training in connection to the general surgery main topics, that is approved by the Ministry of Health of Ukraine. The textbook contains the main terminological, diagnostic and medical principles of providing medical care to patients with main, socially significant surgical diseases, along with the questions of surgical care organization, examination and supervision of surgical patients.

Well-structured information in the textbook with clearly highlighted main sections of the topic is given according to the professionally-oriented tasks approved by industry standards. Each section of the topic is presented in an algorithmic form, which in authors' opinion, should facilitate a better understanding of material by students while using credit-module teaching system.

This textbook is intended for the 3rd year students of higher medical universities, III–IV levels of accreditation.

УДК 617(075.8)

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Preface from the editors

Surgery is one of the main branches of clinical medicine that deals with the diseases and injuries which are diagnosed and treated with the help of the methods and measures joined together under the term “surgical operation”.

Translated from Greek, surgery (“*χέρι*” – hand, “*εργασία*” – work) means handwork, handicraft. Nevertheless, a modern surgeon is not only and not so much a manipulator working with his/her hands, as a specialist having a considerable amount of special knowledge and skills and wielding complex medical equipment used both at the diagnostic stage and at different stages of treatment, including the surgical stage of treatment. At the present stage of the development of mankind, with high risk of global man-made disasters and numerous military conflicts with mass injury to people, the importance of a doctor’s ability to effectively organize and quickly provide first aid is growing. These skills help saving thousands of human lives.

The system of teaching surgery with subdivision into separate courses in general, intermediate-level and hospital surgery, which had been existing for many decades, was cumbersome and accompanied by unnecessary duplication of teaching some aspects and sometimes by the use of the materials of low informative value from the perspective of evidence-based medicine.

In developed countries, in order to meet the needs of society for high-level professionals, the paradigm of higher medical education is changing from “education for the whole life” to “education through the whole life” called “lifelong education”. Within this issue, basic medical education at the stages of pre-graduate and primary postgraduate training plays a leading role in formation of a doctor. A cornerstone of the educational process is a textbook, which contains the material necessary for qualitative education, and a flexible system of control of theoretical knowledge and practical skills, which is based on the existing education quality standards.

The present time is marked by intensification and implementation of new technologies in educational process; the basis of the new technologies is the reformation of the educational system of Ukraine in accordance with the principles of the European educational system and the use of the quality management system of the reformed system. One of important aspects of this issue is the need for development of the textbooks and manuals that meet requirements

of medical science and practice and are consistent with the purposes and tasks of training of general practitioners and surgeons.

It is the presence of changes in priorities of providing medical care (from primary outpatient care to inpatient care), implementation of the inpatient substitution care services and minimally invasive technologies in surgeons’ practice, and introduction of the institution of general practitioner into health care practice, that raised a number of issues with the system of higher medical education, which require changes in training of specialists, including in regards to surgery.

Surgery takes an important place in training and formation of a doctor. The reason for this is that a surgical pathology, which is quite often of progressive and complicated course, requires taking urgent tactical decisions and rendering professional emergency medical care. Accordingly, a general practitioner must be aware of surgical diseases to the extent of professionally oriented tasks, which include the whole range of actions aimed at determining the character (acute or chronic) of a surgical disease with priority setting in choosing the place for treatment and extent of inpatient or outpatient medical care, as well as the principles of rehabilitation after surgical operations. Considerable attention must be devoted to an up-to-date approach to medical care for military injury under combat conditions.

For this purpose, taking into consideration the pressing needs, the authors set themselves a number of tasks that have been embodied in improvement of the textbook “*General Surgery*”. The main idea of the textbook is step-by-step accumulation of knowledge and skills aimed at preparing a doctor for unsupervised work with patients in capacity of a general practitioner.

The textbook includes all necessary parts, revised and expanded, that cover issues of general surgery to the extent necessary for a general practitioner. In addition, all parts of the textbook are composed in accordance with a uniform algorithm and comprise the elements of controlled practice-oriented education. An important fact is that the textbook complies with requirements of the new educational training program for bachelors and masters of medicine.

The editors and authors will gratefully accept all possible feedback, remarks and suggestions for further improvement of the textbook.

Зміст підручника відповідає затвердженій МОЗ України програмі підготовки лікаря загальної практики з питань вивчення та засвоєння основних розділів загальної хірургії. Поряд з питаннями організації хірургічної допомоги, обстеження та нагляду за хірургічним хворим, у підручнику наведено основні термінологічні, діагностичні та лікувальні принципи надання медичної допомоги хворим з проявами основних, соціально значущих хірургічних захворювань.

Матеріал у підручнику структурований, із чітким виділенням основних розділів теми, і викладений відповідно до професійно орієнтованих завдань, затверджених галузевих стандартів. Кожний розділ теми представлений в алгоритмізованому вигляді, що, на думку авторів, повинно сприяти кращому засвоєнню матеріалу студентами при використанні кредитно-модульної системи навчання.

Підручник розрахований на студентів 3 курсів вищих навчальних закладів медичного профілю III–IV рівнів акредитації.

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Загальна хірургія

Підручник (англійською мовою)

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Технічний редактор: *В. О. Запорожець*
Коректор *Ю. В. Анвар*
Комп'ютерна верстка: *Г. А. Пешков*

Підписано до друку 27.08.20. Формат 84×108/16. Папір офсетний.
Гарнітура Таймс. Друк офсетний. Ум. друк. арк. 34,44. Зам. 2014.

ПП “Нова Книга”
21029, м. Вінниця, вул. М. Ващука, 20
Свідоцтво про внесення суб'єкта видавничої справи
до Державного реєстру видавців, виготівників
і розповсюджувачів видавничої продукції
ДК № 2646 від 11.10.2006 р.
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