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供基础、临床、预防、口腔医学类专业用

生理学

Textbook of

Physiology

主 编 Chief Editors

姚 泰 (Yao Tai)



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生 理 学

Textbook of Physiology

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2001年8月,教育部制定并下发《关于加强高等学校本科教学工作提高教学质量的若干意见》(教高[2001]4号),指出:按照“教育面向现代化、面向世界、面向未来”的要求,为适应经济全球化和科技革命的挑战,本科教育要创造条件使用英语等外语进行公共课和专业课教学。对高新技术领域的生物技术、信息技术等专业,更要先行一步,力争三年内,外语教学课程达到所开课程的5%~10%。2005年1月,又印发了《关于进一步加强高等学校本科教学工作的若干意见》(教高[2005]1号),指出:高等学校要全面推广和使用大学英语教学改革成果,要提高外语教学课程的质量,继续扩大双语教学课程的数量。要加强教材建设,确保高质量教材进课堂。

双语教育是提高学生英语水平的一个途径,尽管我国高等医学院校双语教学探索已有若干年,但教材的跟进始终显得滞后。没有合适的教材是目前双语教学面临的困难之一。2006年初,为推进双语教学的发展,经全国高等医药教材建设研究会和卫生部教材办公室审议,决定根据国家、地方和学生未来发展的需要,组织国内专家结合双语教学的经验,编写出版一套适应当前双语教学现状的教材。

此套教材的特点在于:

- 汇集名师。各教材主编均由卫生部规划的五年制、八年制教材的主编担任。
- 适合国情。教材的编写内容和体系主要参考我国医学院校长期使用并多次修订的五年制、八年制规划教材,更符合我国的教学模式。
- 语言纯正。根据引进的经典英文原版教材改编,聘请国外作者或编辑参与审校工作。
- 篇幅适中。由于双语教学的课时数有限,因此在编写时只选取各门学科需要重点掌握的内容(占中文教材内容的1/2~2/3)进行编写,也可减轻学生的负担。
- 丰富的教辅资源。教辅资源一直是外版教材的核心资源,因此,在本套教材编写的同时,我社引进了国外畅销的系列案例教材《Case Files》,以配合教学使用。
- 制作精美。为满足广大读者的阅读需要,全套教材采用双色印刷,图文并茂,版式清新美观。

本套教材共16种,全部为卫生部“十一五”规划教材。全套教材将于2007年秋季和2008年春季分两批出版发行。可供各医学院校针对五年制、七年制、八年制等不同层次学生开展双语教学使用。

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Preface

This textbook is designed to provide a concise summary of medical physiology especially for Chinese medical students to facilitate them to improve their ability of reading English textbooks. Up till now, we are using Chinese as teaching language in universities across China. Textbooks are also written in Chinese. Since globalization has now penetrated all aspects of human society, and medical education can not be left untouched, we become clearer that English as a universally used language in science is a very important factor for medical students as well as medical professionals to promote learning and practicing medicine. However, for most Chinese students, English proficiency is still not sufficiently high. Most of them have difficulties in using English as a tool to study their professional knowledge. In recognition of the importance of English, many institutions in China are taking measures to raise the students' English proficiency, such as encouraging bilingual (Chinese and English) teaching. In the circumstances, there is a growing need for textbooks written in English. Though a large number of English textbooks have been imported, there is an urgent need for editing English textbooks which are most suitable to Chinese medical students. For example, the textbooks of physiology used in many American and European countries are usually rather heavy in content; the arrangement of the contents is also somewhat different from that of the textbooks currently used in China. Therefore, we purposed to write a textbook of physiology in English which would be concise; the contents of the book would be arranged in an order that is commonly adopted in the Chinese textbooks. For the accuracy of English writing, the People's Health Publishing House has signed a contract with McGraw-Hill Companies so that we are permitted to refer to and use all the contents of *Review of Medical Physiology* (22nd edition, edited by William F. Ganong). Actually, this textbook can be viewed as an adaptation of the *Review of Medical Physiology*, though we added some paragraphs in our book.

This is the first time we tried to edit a textbook of physiology in English. We are aware that we are not perfectly competent and experienced in doing this job. Therefore, we solicit opinions and criticisms from our colleagues and students. Any corrections, criticisms, and suggestions will be welcome. We also wish to express our great appreciation to those who have given us constructive criticisms and suggestions during the writing of this book.

The Editors

2007-11-01

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