

O.O. PISOTSKA, I.V. ZNAMENSKA,
V.G. KOSTENKO, O.M. BIELIAIEVA

ENGLISH

for Professional
Purposes:
Medicine

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RECOMMENDED

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students of higher medical education establishments

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Authors:

O.O. Pisotska, Candidate of Pedagogical Sciences, Associate Professor of the Department of Foreign Languages, Latin Language and Medical Terminology, Higher State Educational Establishment of Ukraine “Ukrainian Medical Stomatological Academy”;

I.V. Znamenska, Candidate of Philological Sciences, Associate Professor of the Department of Foreign Languages, Latin Language and Medical Terminology, Higher State Educational Establishment of Ukraine “Ukrainian Medical Stomatological Academy”;

V.G. Kostenko, Candidate of Philological Sciences, Associate Professor of the Department of Foreign Languages, Latin Language and Medical Terminology, Higher State Educational Establishment of Ukraine “Ukrainian Medical Stomatological Academy”;

O.M. Bieliaieva, Candidate of Pedagogical Sciences, Associate Professor, the Head of the Department of Foreign Languages, Latin Language and Medical Terminology, Higher State Educational Establishment of Ukraine “Ukrainian Medical Stomatological Academy”

Reviewers:

I.O. Palamarenko, Candidate of Pedagogical Sciences, Associate Professor of the Department of Foreign Languages, O.O. Bohomolets National Medical University;

H.G. Yeromkina, Candidate of Philological Sciences, Associate Professor, the Head of the Department of Foreign Languages, Odesa National Medical University

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This textbook is committed to foster general and profession-centered English language competences (linguistic, communicative, pragmatic, socio-cultural) of medical students. These competences contribute to building up their confidence, communicative independence and effectiveness in situations of professional, academic, and daily routine both in written and oral communication.

The textbook is designed to meet the academic and professional needs of medical students learning English for professional purposes, language educators, medical post-graduates, healthcare professionals as well as academic staff using English as a medium of instructions.

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PREFACE

This course book is committed to foster general and profession-centred English language competences (linguistic, communicative, pragmatic, social and cultural) of medical students. These competences contribute to building up their confidence, communicative independence and effectiveness in situations of professional, academic, and daily routine both in written and oral communication.

The course book is designed to meet the academic and professional needs of medical students learning English for professional purposes, language educators, medical post-graduates, healthcare professionals as well as academic staff using English as a medium of instructions. In planning this book we relied on the guidelines provided by the Common European Framework of Reference for Languages. The book presents and practices the vocabulary, grammar material aimed at developing and improving communication skills, providing the opportunity to use the new terms and expressions in relation to students' studies and work.

The concept of this course book is carefully aligned with following principles: the book is a dynamic system with complex structure and cause-and-effect relationships between the elements; its contents integrate profession-related and linguistic aspects, involves historical achievements and novel standards in foreign language teaching methodology. One of the positive aspects of this textbook is its intention to provide the natural interweaving of the main types of speech activities, namely reading, speaking, writing; coherence between phonetic material and spelling, lexical, grammatical, and pragmatic layers.

The course book aims at providing accurate, current information about structure and function of the human body, as well as topics related to medicine and healthcare fields. The book is organized in 10 units, which subdivided into smaller structural parts, lessons.

Each lesson is a separate structure containing a glossary, which is essential for academic and profession-related communication, a list of key terms, words and phrases for mastering, basic and additional texts for reading and discussion, a series of oral and written exercises aimed at practicing and checking the understanding of the texts and thematic vocabulary. Some activities are designed to develop skills of text summarising, referencing, and translating; to improve the skills of oral communication. Activities and exercises are graded depending on the levels of their complexity that makes it possible to select the kind of activity that most fully meets the students' needs.

When creating the textbook, the authors relied on the idea of a genre-centred approach, according to which communication is considered as social activity in a particular social context. This requires the selection and adaptation of certain types of texts, which are typical in professional communication, possess the appropriate pragmatic intention and typical linguistic and stylistic devices. The texts presented in the book are considered as re-

PREFACE

levant, authentic or partially adapted speech models of academic, popular, inter-profession writings, the authors have chosen from professional periodicals, authentic textbooks and monographs, Internet resources.

The course book includes a large number of pedagogical devices intended to involve students in the learning process, to stimulate their interest in the subject matter, and to help them to relate their classroom knowledge to their future professional experience.

Supplementary materials include the table of irregular verbs, lists of term elements of Latin and Greek origin and their English and Ukrainian equivalents, basics on English word formation, English grammar reference. In addition, there is the comprised English-Ukrainian dictionary.

We hope that the materials in this book will be helpful for medical students and those who indent to master English for professional purposes through self-learning.

A decorative graphic consisting of a vertical grey bar on the left and a horizontal dark grey bar extending to the right from its base. The text 'Unit 1' is centered within the horizontal bar.

Unit 1

RESPIRATORY SYSTEM

A vertical grey bar located on the left side of the page, below the horizontal line.

Lesson 1

ANATOMY AND PHYSIOLOGY OF RESPIRATORY SYSTEM

VOCABULARY

diaphragm [ˈdaɪəfræm] діафрагма	respiration [ˈrespəˈreɪʃ(ə)n] дихання
nares [ˈneɪrɪz] ніздрі	alveolus (pl. alveoli) [æɪˈviələs] комірка, альвеола
cilia [ˈsɪliə] війки	exhale [eksˈheɪl] видихати, робити видих
moisten [ˈmɔɪsn] зволожувати	breathe out [ˈbriːð ˌaʊt] видихати
casing [ˈkeɪsɪŋ] оболонка	passageway [ˈpæsɪdʒweɪ] прохід
adenoids [ˈædɪnɔɪdz] аденоїди	bronchi (sing. bronchus) [ˈbrɒŋkaɪ] бронхи
dense [dens] щільний; стиснутий; густий	bronchiole [ˈbrɒŋkiəʊl] бронхіола
columnar [kəˈlʌmnə] стовпчиковий, стовпчикоподібний	sac [sæk] мішечок
apex [ˈeɪpeks] верхівка	capillary [kəˈpɪləri] капіляр
average [ˈævərɪdʒ] середнє число; у середньому дорівнювати, становити	pleura [ˈpluərə] плевра
clavicle [ˈklævɪkl] ключиця	expand [ɪksˈpænd] розтягувати(ся), розширювати(ся); збільшувати(ся) в об'ємі, у розмірах

WORD-BUILDING

Suffixes of Adjectives

-al (pertaining to)

center (N) *центр* – **central** (Adj) *центральний*

profession (N) *професія* – **professional** (Adj) *професійний*

peritoneum (N) *очеревина* – **peritoneal** (Adj) *такий, що стосується очеревини*

-ic (pertaining to)

energy (N) *енергія* – **energetic** (Adj) *енергійний*

grammar (N) *граматика* – **grammatic** (Adj) *граматичний*

leukocyte (N) *лейкоцит* – **leukocytic** (Adj) *лейкоцитний*

-ive (that performs or tends toward an (indicated) action)

to attract (V) *приваблювати, вабити* – **attractive** (Adj) *привабливий*

to act (V) *діяти* – **active** (Adj) *дієвий, активний*

to connect (V) *з'єднувати, сполучати* – **connective** (Adj) *сполучний*

LESSON 1. ANATOMY AND PHYSIOLOGY OF RESPIRATORY SYSTEM

1. Make adjectives from each medical term using proper suffixes.

clinic practice intestine nose bacteria virus experiment bronchus pleura trachea	-al	<u>clinical</u> _____ _____ _____ _____ _____ _____
stomach heart chest lung aerobe allergy diagnose aorta endoscopy pathology	-ic	<u>gastric</u> _____ _____ <u>aerobic</u> _____ _____ _____
obstruct connect protect contract digest progress	-ive	<u>obstructive</u> _____ _____ _____ _____ _____

GRAMMAR

Forms of participle

Participle	Form	Examples
Present Participle (Active)	V + -ing	writing, working
Present Participle (Passive)	being + V₃	being written, being worked
Past Participle (Passive)	V₃	written, worked
Perfect Participle (Active)	having + V₃	having written, having worked
Perfect Participle (Passive)	having + been + V₃	having been written having been worked

Note: Perfect Participle означає дію, що відбулася раніше від дії, вираженої присудком.

UNIT 1. RESPIRATORY SYSTEM

MODEL:

The text translated was easy.	Перекладений текст був легким.
The delivered lecture was interesting.	Прочитана лекція була цікавою.
Made according to new method, the experiment showed good results.	Проведений відповідно до нового методу експеримент продемонстрував добрі результати.
Being asked , he didn't answer the questions.	Коли його запитали, він не відповів.
The nurse working here is my mother.	Медсестра, яка працює тут, моя мати.
Reading this paper, I made notes.	Читаючи цю статтю, я робив нотатки.
Having read the book, I gave it to the library.	Прочитавши книгу, я повернув її до бібліотеки.

2. Read and translate the sentences into Ukrainian paying attention to the forms of participles.

1. Having passed the state examinations, young doctors begin to work as interns during a certain period. 2. Having investigated the patient's case history, the physician drew to the conclusion that the patient was sensitive to antibiotics. 3. Being asked some questions about the attack of cardiac pain the patient stated that it was particularly acute on physical exertion. 4. Improved by this surgeon, this surgical instrument is used widely. 5. Having performed on the operation, we went home. 6. Having reported about patient's condition, the therapist proposed to use new drugs. 7. Being very busy, Mike cannot come there. 8. Measles, also known as rubeola, is a common childhood illness. 9. Measles is most contagious before the rash appears, making it difficult to avoid the disease. 10. The affected person becomes contagious 1 day before the symptoms appear. 11. Approximately 2.5 square cm of the skin contain millions of cells and many specialized nerve endings. 12. The skin is a dynamic organ, constantly being replenished.

3. Translate the sentences into English. Some words in brackets can help you.

1. Поверхня верхньої кінцівки, укрита (to cover) опіками (burn), була великою. 2. Виконана (to do) робота необхідна для нашого експерименту. 3. Середостіння (mediastinum), що розділяє легені, розташоване у грудній порожнині. 4. Середостіння, що розділяє легені, проходить (to extend) між грудниною і хребтом. 5. Плевра (pleura), що покриває легені і стінки грудної порожнини, утворює плевральну порожнину (pleural cavity). 6. Збори, проведені (to hold) у цій групі вчора, були дуже цікавими. 7. Хворий, який поступив (to admit) до лікарні 15 червня, був у тяжкому (poor) стані. 8. Пролікувавшись протягом тривалого (prolonged) періоду, пацієнт почувається краще. 9. Видаляючи (to remove) стороннє тіло (foreign body), хірург намагався не завдати (to cause) пацієнтові болю. 10. Пацієнта, який поскаржився на (to complain of) гострий (acute) біль у черевній порожнині, було негайно (immediately) скеровано (to direct) до хірургічного відділення.