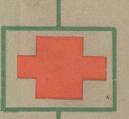
# 基础医学英语

〔英〕 琼·麦克莱恩 著徐 本 炫 编译

English
In Basic
Medical
Science



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陕西人人人成社出版

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### 前言

近年来国内外试行一种新的外语教学方法——意念功能法(the Notional—Functional Approach)。这种方法的特点,是按照语言的交际功能和一定的意念内容,在段落水平(discourse level)上组织语言点,包括词汇、语法和惯用法的听说写读操练,这样既便于把外语教学与所学专业知识紧密结合,充分发挥语言的交际工具职能,又能够启迪学生的积极思维,激发学习语言的兴趣,培养综合理解和运用语言的能力,从而提高外语教学效果。这本书就是运用功能法编写专业英语教材的代表作之一,受到国内外公共外语教学工作者和医学界的重视。

这本书是英国牛津大学出版社一九七五年出版的《专用 英语丛书》之一。它把语言要素和基础医学内容有机地结合在 一起,通过精选的课文及泛读材料,提供了一部分最常用的 医学基础词汇和常见的语法规则,并附有大量的阅读理解和 语法练习,可作为医学院校低年级和中等医药卫生专科学校 的辅助教材,也可供医护人员及卫生工作者业余自学参考。

为了便于读者自学,我们在原书基础上对语法和练习部分作了一些改编和说明,并附有词汇表、注释、参考译文以及练习答案等。在编译过程中,承第四军医大学航空生理学

教研室主任张立藩教授、解剖学教研室易国柱副教授、组织 胚胎学教研室讲师李伯瑜等同志审阅并修改了有关专业的参 考译文,在此谨致谢意。由于编译者水平所限,错误一定 不少,欢迎专家和读者们批评指正。

编译者

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### Unit 1 第一单元

## I READING AND COMPREHENSION 阅读与理解

### TEXT 课文

### The Compartments of the Body

<sup>1</sup>The body has three compartments. <sup>2</sup>The first of these consists of active tissue, which is also known as cell mass. <sup>3</sup>This does most of the chemical work of the body.

'The second compartment consists of supporting tissue. This is composed of bone minerals, extracellular proteins, and the internal environment, or the extracellular fluid in the blood and lymph.

The third compartment is the energy reserve. This consists of fat, which lies round the principal internal organs and in adipose tissue.

【是非题】根据上段课文提供的信息判断下列句子的正误 (正的在括号内填"T",误的填"F")。参考 答案见附录一。

- (a) The first compartment of the body consists of cell mass. ( 7)
- (b) The second compartment of the body is composed of bone minerals. (
- (c) The internal environment is composed of the extracellular fluid in the blood and lymph.

  ( )
- (d) The energy reserve is composed of adipose tissue and fat which lies round the principal internal organs. (

\*These compartments cannot be separated by physical dissection, but it is possible to measure them indirectly. This may be done using methods such as the dilution technique.

1°The size of each compartment varies according to the age, sex and health of the individual. 11In a healthy young man the total body weight is divided approximately. 55% cell mass, 30% supporting tissue, and 15% energy reserve. 12A healthy young woman has normally twice as much fat.

- (e) The compartments of the body are measurable. ( )
- (f) The dilution technique is the only method of measuring the compartments of the body.

(g) The sum of the sizes of the compartments =

the total body weight. ( (h) The energy reserve of a healthy young woman is approximately 30% of her total body weight. ( ) NEW WORDS AND EXPRESSIONS 生词和短语 compartment (kəm'pa:tmənt) n. 分隔间,组成部分 consist (of) (kən'sist) v. 由……组成 active ['æktiv] a. 活性的,活动的 tissue ('tisju:) n. 组织 (be) known as 称为 cell [sel] n. 细胞 [mæs] n. 群,块 mass compose (kəm'pouz) v. 组成 (be) composed of 由……组成 mineral ['minərəl] n. 矿物: 无机物 /extracellular ('ekstrə'seljulə) a. 细胞外的 protein ('prouti:n) 蛋白质 n. internal [in'tə:nl] 内的, 内部的 a. environment (in'vaiərənmənt) n. 环境 fluid ['fluid] n. 液体 [limf] 淋巴 \lymph n.

[ri'zə:v] n.

reserve

储备

principal ['prinsəpəl] 主要的 ['o:gən] n. 器官 organ adipose ('ædipous) a. 脂肪的 separate ('seprit) 使……分离 physical ['fizikl] a. 物理的,身体的 dissection (di'sek[n) 切割 n. ['mega] v. measure 测量 indirectly [,indai'rektli] ad. 间接地 dilution [dai'lju:[n] 稀释 n. technique [tek'ni:k] n. 技术, 方法 ['veəri] v. 变化,不同 vary 性别 [seks] n. sex individual [indi'vidjuəl] 个体,个体的 healthy ['hel@i] 健康的 a. ['toutl] a. 总的 total weight (weit) 重量 n. approximately (ə'prəksimitli) ad. 大约 [pə'sent] n. 百分之 …… percent normally ['no:məli] ad。 正常地

#### NOTES 注释

①…, and the internal environment, or the extracellular fluid in the blood and lymph. Or在这里引 导一个同义短语,译为"即","就是"。又如,botany,or the science of plants 植物学,即关于植物的科学。

②This may be done using methods…句中 using可以理解为by using 的省略。科技英语中这种用法很常见,例如:

The patient was studied using immuno—fluo-rescence. 对病人曾做过免疫荧光探查。

The results using that test were positive. 使用该检验法检查的结果是阳性的。

③…twice as much fat = twice as much fat as a healthy young man has.

### COMPREHENSION EXERCISES 理解练习

A. 根据课文内容, 仿照例句完成下列句子:

Example: "This" in sentence 5 refers to the second compartment (or supporting tissue).

- 1. "these" in sentence 2 refers to...
- 2. "this" in sentence 3 refers to...
- 3. "this" in sentence 7 refers to...
- B. 仿照例句用课文中的同义词或词组替换下列句中的斜体词:

Example: Fat is located round the principal internal organs.

- = Fat lies round the principal internal organs.
- 1. In a healthy young man, approximately 55%

of the total body weight consists of cell mass.

- 2. The energy reserve consists of fat.
- 3. The supporting tissue consists partly of the extracellular fluid in the blood and lymph.
- 4. The compartments are not separable by physical dissection.
- 5. Supporting tissus makes up about 30% of the total body weight.
- 6. A young woman has usually twice as much fat as a young man.
- C. 把下列词或词组插入指定的课文句子中, 必要时 替 换原 句中的词或改变词序标点:

Example: however (8)

These compartments cannot be separated by physical dissection. It is, however, possible to measure them indirectly.

- (a) i.e. (5) (d) for example (11)
- (b) of course (8)
- (e) as follows (11)
- (c) for example (9) (f) however (12)
- D. 用课文中适当的词填入下列图表(见第7页):
- E. 按照填好的图表, 用consist of 和be composed of 完 成下列句子(各选两句):
- 1. Supporting tissue...
- 2. The energy reserve...
- 3. The internal environment...