<<神经系统>>

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内容概要

《以器官系统为中心原版英文教材：神经系统（第2版）》“以器官系统为中心”的医学教学模式是国际医学教育的趋势。
本系列书是世界著名医药卫生出版集团爱思唯尔公司出版的一套“以器官系统为中心”的医学基础课程教材。
该套教材第1版出版后受到世界各地许多医学院校的欢迎，并被多家进行“以器官系统为中心”教学的医学院校选定为教材。
第2版根据第1版出版后教师和学生的反馈意见，结合医学知识的更新进行了全新修订。
在编写内容上，该系列教材强调基础与临床的整合。
每一章节都是围绕着一个临床病例展开，通过对病人问题的呈现以及解决过程引出对相关知识的探究，从而使与器官系统结构、功能以及疾病相关的重要的基础医学知识得到了完善的整合。
在版式安排上，图框中的病例资料与正文中的医学知识完美匹配，一步一步地激起读者的求知欲望。
本册为《神经系统》。

作者简介

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书籍目录

章节摘录

The cingulate cortex evaluates the affective signifi-cance of events, i.e. whether they are harmful or benefi-cial. Anatomical studies have revealed prominent afferentinput to the cingulate motor areas from the limbic struc-tures and the prefrontal cortex, which can send informa-tion about motivation and the internal state of subjects, aswell as cognitive evaluation of the environment. The ante-rior cingulate cortex is also involved in pain perception,receiving input from the posterior insula cortex. Otherimportant inputs are from the anterior thalamic nucleus,which receives its input from the mamillary bodies form-ing the Papez circuit, involved in the cortical control ofemotion （see Fig. 1.18）. The anterior cingulate gyrus com-municates between the prefrontal cortex and subcorticalareas of the limbic system. Bilateral destruction releasesthe 'rage centres' of the amygdala and hypothalamusfrom any prefrontal inhibitory influence. The limbic system is tightly connected to the prefron-tal cortex, and together they funnel emotional input tothe hypothalamus. There is frontal lobe asymmetry inregard to emotional processing. Activation in the left pre-frontal regions may be part of a mechanism that inhibits'negative' affect （e.g. sadness and disgust）; conversely,the right prefrontal regions may inhibit positive emotions（e.g. happiness）. Peple with increased left prefrontalactivity are described as more 'optimistic' and more adeptat minimizing negative emotions. Lesions of the left pre-frontal neocortex are more likely to be associated withdepression than lesions in the homologous location inthe right hemisphere. During the Wada test, when the lefthemisphere is temporarily anaesthetized, patients reportnegative changes in mood （e.g. sadness）. PET studieshave indicated increased left-side orbitofrontal blood flowduring self-generated sadness.

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编辑推荐

《神经系统(第2版)》：The Systems of the Body series has established itself as a valuable resource for allmedical and other health science students following system-based courses. In thissecond edition all the volumes have been updated to take into account feedback fromreaders of the first edition. Each volume conunues to present the core knowledge ofbasic science and clinical conditions that medical students need, offering an integratedview of the system unavailable from standard textbooks. An expanded selection ofThis book brings to life the basic science of the nervous sy.stem andits major diseases. After early chapters on its general organxzationand cellular and molecular mechanisms, clinical scenarios are usedto introduce and discuss the knowledge required for diagnosis andtreatment of major conditions of the nervous system.Organization of the nervous system、Elements of cellular and molecular neuroscience、Clinical examination、Spinal cord、Pain and analgesia、Cranial nerves and the brainstem、The visual system、Hearing and balance: the auditory and vestibular systems、Motor systems I: descending pathways and cerebellum、Motor systems II: the basal ganglia、Stroke and head injury、Infection in the central nervous system、Epilepsy、Dementia、Schizophrenia、Depression and anxiety、AddictionThe Nervous System is ideal for medical students, and also for studentsof other health professions taking systems-based courses.

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