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17. Cerebral Cortex: Cytoarchitecture, Physiology, and Overview of Functional Localization18. Motor System and Movement: Part I: Reflex Activity, Central Pattern Generators, and Cerebral Cortical Motor Functions; 19. Motor Systems: Part II: Basal Ganglia and Movement Disorders; 20. Motor Systems: Part III: Cerebellum and Movement and Major Fiber Pathways of the Cerebellum; 21. Somatosensory Function and the Parietal Lobe; 22. Limbic System; 23. Visual System; 24. Speech, Language, Cerebral Dominance, and the Aphasias; 25. Case History Problem Solving: Part IV: Cortical Localization

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Sommario/riassunto

Integrated Neuroscience argues that in order to make an intelligent diagnosis and provide a rational treatment nervous system disorders, it is necessary to answer the basic questions of clinical neurology. Where is the disease process located, and what is the nature of the disease process? For students to answer these questions, the authors first review the makeup of the cells within the central nervous system and the development of the regions within the central nervous system. A detailed anatomical overview of the nervous system, starting at the spinal cord, proceeding to the brain stem, die