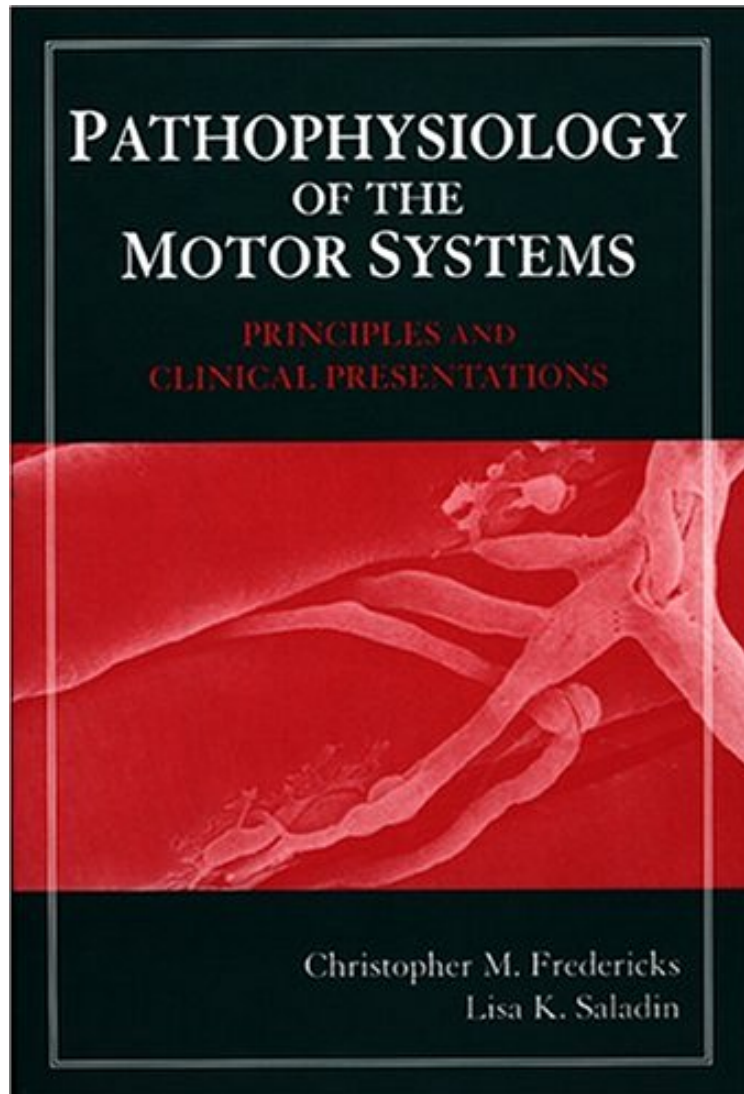


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# Pathophysiology of the Motor Systems: Principles and Clinical Presentations

*Christopher M. Fredericks, Lisa K. Saladin, C. M. Fredericks*  
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**Christopher M. Fredericks, Lisa K. Saladin, C. M. Fredericks : Pathophysiology of the Motor Systems: Principles and Clinical Presentations** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Pathophysiology of the Motor Systems: Principles and Clinical Presentations:

11 of 11 people found the following review helpful. Pathophysiology of the Motor Systems : Principles Clinical By A Customer As a student of occupational therapy, this book was a required text in our neuropathology course. Every

chapter is written by a PhD holder. Some of the authors are also PTs. As noted in the book's preface, this book was written for PT and OT students but would be helpful for any rehabilitation health-care practitioner. The extent of the detail is helpful in understanding both the pathophysiology of a given disorder as well as the impact on the person. Be aware though that this book is NOT beach reading---it will take effort to digest much of the material. While only a few pictures are included, those that are presented are helpful. The book contains 6 sections: Section I includes basic information on cells, muscles, nerves, basic sensory mechanisms. Section II covers motor control, brainstem motor control, cortical motor systems, cerebellar mechanisms, basal ganglia, motor control theories motor learning. Section III describes motor function disorders such as spasticity, apraxia. Section IV discusses neuromuscular diseases such as muscular dystrophy, myasthenia gravis, peripheral neuropathies, cranial nerve disorders. Section V describes central motor control disorders such as anterior, posterior, central and lateral cord syndrome, and other spinal cord lesions. Parkinson's Disease and Huntington's Disease are described in detail, as is various cerebellar disorders. Traumatic Brain Injury and Cerebral vascular accident's are discussed. Multiple Sclerosis is also described in detail. The final section discusses the effects of immobilization on the musculoskeletal system and on visceral function.

Emphasizes the most characteristic signs and symptoms for each group of disorders in order to show how disordered function has created these features