The current edition begins with an overview of the anatomy and molecular architecture of the neuromuscular junction and the electrophysiologic diagnosis of its disorders. The introductory chapters are followed by a detailed exposition of the pathogenesis, natural history, diagnosis and therapy of the autoimmune myasthenias, the Lambert-Eaton myasthenic syndrome, and the increasingly complex and fascinating diseases collectively referred to as congenital myasthenic syndromes. The acetylcholine receptor is a major target of both autoimmune and inherited myasthenias and a separate chapter reviews its structural and functional properties. The book also describes disorders that often target terminal nerve segment near the neuromuscular junction---the syndrome of peripheral nerve hyperexcitability and the Guillain-Barré syndrome.