

International Compendium of Movement Disorders

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information that is in accord with accepted standards and practice at the time of
publication. Although case histories are drawn from actual cases, every effort has
been made to disguise the identities of the individuals involved. Nevertheless, the
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drugs or equipment that they plan to use.

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International Compendium of Movement Disorders

We do not look at things as they are, but as we are.
Wayne W. Dyer

In this *International Compendium of Movement Disorders*, you may find an up-to-date, multidisciplinary overview of typical and atypical parkinsonisms and other movement disorders, compiled by widely recognized authoritative authors.

The first section of this book provides a basic introduction covering the principles of human (motor) behavior, the functional anatomy of basal ganglia and cerebellum, the underlying neuropathology, as well as an overview of genetic, mitochondrial, metabolic, autoimmune, pediatric, and neuro-ophthalmologic movement disorders.

This is followed by two sections that deal extensively with motor behavioral (movement) disorders, grouped into hypokinetic and hyperkinetic disorders. Hypokinetic disorders comprise typical idiopathic and genetic parkinsonisms, as well as atypical parkinsonisms, whereas hyperkinetic disorders include tremor, chorea, ballism, myoclonus, tics, and dystonia. These sections include specific clinical manifestations, diagnostic features, biomarkers and the various conventional, pharmacological, brain (magnetic) stimulation, focused ultrasound, neurosurgical, and/or regenerative therapeutic strategies.

Subsequent sections deal with the same information regarding continuous and/or episodic dyscoordinative and otherwise dysexecutive (upper and lower motor neuronal) behavior and inappropriate (sleep-related, drug-induced, psychiatric and functional) behaviour *cum quo* emotional disorders. The last, fifth, section discusses the different ways of objectifying selected behavioral movement disorders.

This book incorporates extensive visual information with numerous video fragments of movement disorders patients, improving its function as a guide for the recognition and classification of these disorders, and meeting the need for well formulated, generally accepted definitions.

In sum, this compendium of the IAPRD provides you with the essential tools to recognize, interpret, and understand the clinical manifestations and underlying disorders of neurologic movement disorders, and to select the best therapeutic strategies. It will serve as a helpful practical source not only for all medical and allied health professionals involved with movement disorder patients, but also for neuroscientists and neuropharmacologists seeking a comprehensive, in-depth, translational overview of the fundamental and clinical aspects of movement disorders. By publishing this compendium, the editors have the intention to improve the recognition as well as the treatment of movement disorders worldwide, thus increasing the quality of life of all patients suffering from the variety of these debilitating, although fascinating, disorders.

The editors wish to pay their respects to all authors, and in particular also to Mary Ann Chapman, for her intensive, but always endearing, organizational guidance in helping to realize completion of this book; as well as to Frans Wolters, for editing the video fragments, provided by the authors for this purpose in the collection of the International Association of Parkinsonism and Related Disorders; and to Sara Brunton, Lucy Edwards, Dhivydia Abharati, Camille Lee-Own, and Caroline Mowatt, working at Cambridge University Press, for their greatly appreciated meticulous endeavors in the production of this book.