

Contents

1	Poverty and Slowness of Voluntary Movement	1
1.1	An Introductory Note	1
1.2	How to Recognize	2
1.3	How to Distinguish from Related Disorders	4
1.3.1	Parkinson's Disease	4
1.3.2	Dementia with Lewy Bodies	6
1.3.3	Progressive Supranuclear Palsy	7
1.3.4	Multiple System Atrophy	12
1.3.5	Corticobasal Syndrome	16
1.3.6	Vascular Parkinsonism	19
1.3.7	Frontotemporal Dementia Syndromes	21
1.3.8	Parkinsonism and Motor Neuron Disorders	21
1.3.9	Non-Parkinsonian Hypokinetic Disorders	26
1.3.10	Stiff Person Syndrome	26
1.3.11	Catatonia	27
1.3.12	Obsessional Slowness	28
1.3.13	Functional Slowness	28
1.4	How to Reach a Diagnosis	28
1.5	How to Treat	29
1.5.1	Treatment Paradigm of PD	29
1.5.2	Advanced Treatments	36
1.5.3	Management of Non-motor Symptoms	37
1.5.4	Treatment Paradigm in Atypical Parkinsonism	40
1.5.5	Treatment Paradigm in Non-parkinsonian Hypokinetic Disorders	41
	References	42
2	Abnormalities of Muscle Tone	49
2.1	An Introductory Note	49
2.2	Hypertonia	51
2.2.1	How to Recognize	51
2.2.2	How to Distinguish from Related Disorders and Reach a Diagnosis	54
2.2.3	How to Treat	67

2.3	Hypotonia	73
2.3.1	How to Recognize.	73
2.3.2	How to Distinguish from Related Disorders and Reach a Diagnosis	74
2.3.3	How to Treat	80
2.4	Atonia	83
2.4.1	How to Recognize.	83
2.4.2	How to Distinguish from Related Disorders and Reach a Diagnosis	83
2.4.3	How to Treat	89
	References	91
3	Unvoluntary Motor Behaviours	97
3.1	An Introductory Note	97
3.2	Tics	97
3.2.1	How to Recognize.	97
3.2.2	How to Distinguish from Related Disorders and Reach a Diagnosis	104
3.2.3	How to Treat	111
3.3	Stereotypies.	119
3.3.1	How to Recognize.	119
3.3.2	How to Distinguish from Related Disorders and Reach a Diagnosis	120
3.3.3	How to Treat	124
3.4	Punding.	125
3.4.1	How to Recognize.	125
3.4.2	How to Distinguish from Related Disorders and Reach a Diagnosis	126
3.4.3	How to Treat	126
3.5	Akathisia.	127
3.5.1	How to Recognize.	127
3.5.2	How to Distinguish from Related Disorders and Reach a Diagnosis	128
3.5.3	How to Treat	130
3.6	Motor Hyperactivity	131
3.6.1	How to Recognize.	131
3.6.2	How to Distinguish from Related Disorders and Reach a Diagnosis	132
3.6.3	How to Treat	133
3.7	Restless Legs Syndrome.	134
3.7.1	How to Recognize.	134
3.7.2	How to Distinguish from Related Disorders and Reach a Diagnosis	136
3.7.3	How to Treat	138
	References	140

4	Lack of Organization or Coordination of Voluntary	
	Muscle Activity	155
4.1	An Introductory Note	155
4.2	How to Recognize.	155
4.3	How to Distinguish from Related Disorders.	159
4.3.1	Ataxia	159
4.3.2	Apraxia	191
4.4	How to Reach a Diagnosis	193
4.4.1	Ataxia	193
4.4.2	Apraxia	194
4.5	How to Treat	195
4.5.1	Ataxia	195
4.5.2	Apraxia	198
	References	198
5	Rhythmical Involuntary Movements	
	(Tremor and Tremor-Like Conditions)	207
5.1	An Introductory Note	207
5.2	How to Recognize.	207
5.3	How to Distinguish from Related Disorders.	209
5.3.1	Essential Tremor	209
5.3.2	Enhanced Physiological Tremor.	221
5.3.3	Parkinsonian Tremor.	225
5.3.4	Dystonic Tremor.	227
5.3.5	Primary Writing Tremor and Other Task-Specific Tremors	228
5.3.6	Orthostatic Tremor	229
5.3.7	Cerebellar Tremor.	230
5.3.8	Holmes' Tremor	231
5.3.9	Neuropathic Tremor	231
5.3.10	Palatal Tremors	232
5.3.11	Drug-Induced and Toxic Tremors.	233
5.3.12	Functional Tremor	235
5.3.13	Rare Tremor Syndromes.	235
5.3.14	Tremor-Like Conditions	239
5.4	How to Reach a Diagnosis	240
5.5	How to Treat	243
5.5.1	Essential Tremor	243
5.5.2	Enhanced Physiological Tremor.	250
5.5.3	Parkinsonian Tremor.	250
5.5.4	Dystonic Tremors	252
5.5.5	Primary Writing Tremor	253
5.5.6	Orthostatic Tremor	253
5.5.7	Cerebellar Tremor.	253
5.5.8	Holmes' Tremor	254

5.5.9	Neuropathic Tremor	254
5.5.10	Palatal Tremors	254
5.5.11	Drug-Induced and Toxic Tremors	255
5.5.12	Functional Tremor	255
5.5.13	Rare Tremor Syndromes	255
	References	256
6	Patterned or Repetitive Movements and/or Abnormal Posturing	265
6.1	An Introductory Note	265
6.2	How to Recognize	265
6.3	How to Distinguish from Related Disorders	267
6.3.1	Dystonia	268
6.3.2	Pseudodystonias	282
6.3.3	Painful Legs and Moving Toes	283
6.3.4	Functional (Psychogenic) Hyperkinetic Movement Disorders	284
6.3.5	Alien Limb Syndrome	286
6.3.6	Neuromyotonia	286
6.4	How to Reach a Diagnosis	287
6.5	How to Treat	288
6.5.1	Dystonia	288
6.5.2	Painful Legs and Moving Toes	297
6.5.3	Functional (Psychogenic) Movement Disorders	297
6.5.4	Neuromyotonia	298
	References	298
7	Rapid Intermittent Involuntary Movements	305
7.1	An Introductory Note	305
7.2	Part A: Myoclonus and Excessive Startle	305
7.2.1	How to Recognize	305
7.2.2	How to Distinguish from Related Disorders	307
7.2.3	How to Reach a Diagnosis	318
7.2.4	How to Treat	320
7.3	Part B: Chorea	322
7.3.1	How to Recognize	322
7.3.2	How to Distinguish from Related Disorders and Reach a Diagnosis	325
7.3.3	How to Treat	346
	References	351
8	Axial Disorders of Movement	361
8.1	Disorders of Speech	361
8.1.1	An Introductory Note	361
8.1.2	How to Recognize	362
8.1.3	How to Distinguish from Related Disorders	371

8.1.4	How to Reach a Diagnosis	374
8.1.5	How to Treat	374
8.2	Disorders of Stance	376
8.2.1	An Introductory Note	376
8.2.2	How to Recognize	386
8.2.3	How to Distinguish from Related Disorders	396
8.2.4	How to Reach a Diagnosis	397
8.2.5	How to Treat	398
8.3	Disorders of Gait	400
8.3.1	An Introductory Note	400
8.3.2	How to Recognize	401
8.3.3	How to Distinguish from Related Disorders	410
8.3.4	How to Reach a Diagnosis	423
8.3.5	How to Treat	425
	References	427
Index	437