

Supplemental Table 1. Characteristics of patients classified as Parkinson's disease by PET and/or final clinical diagnosis.

Age	Sex	Final clinical Dx	PET classification	Clinical characteristics
41	M	PD	PD	early-onset PD; equivalence type; response to high-dose agonist therapy
45	M	PD	PD	early-onset PD; akinetic-rigid type; response to high-dose agonist therapy
57	M	PD	PD	akinetic-rigid type; comorbid gait disorder due to cerebral microangiopathy
47	M	PD	PD	early-onset PD; akinetic-rigid type; response to high-dose levodopa therapy (pump)
66	F	PD	PD	tremor-dominant type; action and postural tremor without dopaminergic response
61	M	PD	PD	akinetic-rigid type; comorbid gait disorder due to polyneuropathy
74	F	PD	PD	equivalence-rigid type; comorbid gait disorder due to cerebral microangiopathy
75	M	PD	PD	equivalence-rigid type; comorbid gait disorder due to cerebral microangiopathy
55	M	PD	PD	akinetic-rigid type; response to high-dose agonist/levodopa therapy
47	F	PD	PD	akinetic-rigid type; response to high-dose agonist therapy
47	F	PD	PD	tremor-dominant type; response to deep brain stimulation of subthalamic nucleus
46	M	PD	PD	equivalence type; response to high-dose agonist therapy
79	F	PD	PD	akinetic-rigid type; comorbid gait disorder due to polyneuropathy
42	F	PD	PD	early-onset PD; equivalence type; response to high-dose agonist therapy
55	M	PD	PD	akinetic-rigid type; response to high-dose agonist/levodopa therapy

42	M	PD	PD	early-onset PD; tremor-dominant type; response to deep brain stimulation of subthalamic nucleus
78	F	PD	PD	akinetic-rigid type; comorbid gait disorder due to polyneuropathy and cerebral microangiopathy
81	F	PD	PD	equivalence type; comorbid gait disorder due to cerebral microangiopathy; degenerative spinal disease
70	F	PD	MSA	akinetic-rigid type; initially excellent response to levodopa; at later stages, rapid progression; no treatment response; gait disorder; stridor
78	M	PD	PDD/DLB	akinetic-rigid type; mini mental state examination, 30/30; moderate response to levodopa therapy
81	M	PD	PDD/DLB	equivalence type; comorbid gait disorder; mini mental state examination, 20/30
68	M	PD	PDD/DLB	akinetic-rigid type; no response to levodopa therapy
72	F	PD	PDD/DLB	akinetic-rigid type; visual hallucinations; mini mental state examination, 26/30
75	M	PSP	PD	akinetic-rigid type; gait disorder with frequent falls; early dysarthria and dysphagia; no response to levodopa therapy
79	F	MSA	PD	akinetic-rigid type; dysarthria and dysphagia; urinary incontinence; gait disorder; lesion of the first motor neuron; no response to levodopa
73	F	PDD/DLB	PD	equivalence type; visual hallucinations; moderate response to levodopa therapy; vertical gait palsy
57	M	PDD/DLB	PD	tremor-dominant type; neuropsychological assessment indicated severe deficits of visuospatial function and episodic memory
65	F	PSP	PD	akinetic-rigid type, no response to levodopa treatment
58	M	MSA	PD	cerebellar ataxia syndrome; lesion of the first motor neuron (positive Babinski sign); urge incontinence; no response to levodopa therapy
75	F	MSA	PD	akinetic-rigid type; early gait disorder with frequent falls; urinary incontinence; syncope; no response to levodopa