

Table 1: Common abbreviations for the following population of the clinical trial.

Abbreviation	Description	Translation
IPS	Idiopathisches Parkinson Syndrom	Idiopathic Parkinsonism
THS	Tiefe Hirnstimulation	Deep Brain Stimulation
Z.n.	Zustand nach	Condition after

Condition	Disease Comment	Age	Gender
Healthy		65	f
Healthy		35	f
Healthy		49	m
Healthy		50	f
Healthy		42	f
Healthy	Essential Tremor	69	m
Healthy		56	m
Healthy	Osteoarthritis	75	f
Healthy		54	f
Healthy		79	f
Healthy		90	m
Healthy		88	f
Healthy		49	m
Healthy		48	f
Healthy		80	m
Healthy		84	f
Healthy		80	m
Healthy		67	f
Healthy	Z. n. Breast cancer, Z. n. port associated thrombus, Z.n. Lubar Vertebrae fracture, Hypothyroidism	52	f
Healthy		48	m
Healthy		72	f
Healthy		54	f
Healthy		67	f
Healthy		44	f
Healthy		56	m
Healthy		63	m
Healthy		40	m
Healthy		56	m
Healthy		42	f
Healthy		48	f
Healthy		58	f
Healthy		76	f
Healthy		81	m
Healthy		76	f
Healthy		81	m
Healthy		51	f
Healthy		61	f
Healthy		38	m
Healthy		60	m
Healthy		64	m
Healthy	Z. n. bacterial Meningitis	43	f
Healthy	IPS mixed type	64	m
Healthy	Gait disorder of unknown etiology	52	f
Healthy	Stiff Limb plus Syndrome	69	f

Healthy	Segmental Dystonia and Myoclonus syndrome Hypertonia, PCO, Diabetes mellitus II, Asthma	66	f
Healthy		61	f
Healthy		40	f
Healthy	deafness right	67	f
Healthy		70	m
Healthy		71	f
Healthy		52	f
Healthy		45	m
Healthy		35	m
Healthy		65	m
Healthy		85	m
Healthy		40	f
Healthy		78	f
Healthy		61	f
Healthy		56	m
Healthy		68	m
Healthy		72	f
Healthy		38	f
Healthy		67	m
Healthy		55	f
Healthy		79	f
Healthy		61	f
Healthy		69	f
Healthy		77	m
Healthy		62	f
Healthy		61	f
Healthy		64	m
Healthy	Thyroid carcinoma Hypertonia	66	f
Healthy		58	f
Healthy		54	f
Healthy		71	f
Healthy		57	m
Healthy		49	f
Healthy		66	f
Healthy		63	f
Healthy		70	f
Healthy		60	f
Healthy		54	f
Healthy		83	m
Healthy		76	f
Healthy		57	f
Healthy		45	f
Healthy		48	f
Healthy		65	m
Parkinson's	THS IPS tremordominant type	51	m
Parkinson's	IPS hypokinetic-rigid type	70	m
Parkinson's	IPS mixed type	68	m
Parkinson's	IPS akinetic-rigid type	72	m
Parkinson's	IPS mixed type	57	m
Parkinson's	IPS mixed type. THS	53	m
Parkinson's	IPS hypokinetic-rigid type	78	m
Parkinson's	IPS hypokinetic-rigid type	73	m
Parkinson's	IPS akinetic-rigid type	72	m

Parkinson's	IPS mixed type	78	m
Parkinson's	IPS tremordominant type. V.a. Restless-Legs-Syndrom. THS	59	m
Parkinson's	IPS hypokinetic-rigid type	84	m
Parkinson's	IPS akinetic-rigid type	80	m
Parkinson's	IPS hypokinetic-rigid type	59	m
Parkinson's	IPS akinetic-rigid type	51	m
Parkinson's	IPS tremordominant type	75	m
Parkinson's		75	m
Parkinson's	IPS hypokinetic-rigid type	73	m
Parkinson's		75	m
Parkinson's	IPS mixed type. THS	47	m
Parkinson's		55	f
Parkinson's		65	m
Parkinson's	Periodic movement of legs while asleep, mostly uncorrelated Arousals. Lewy-Body-Dementia	59	m
Parkinson's	IPS akinetic-rigid type	75	m
Parkinson's	IPS akinetic-rigid type	71	m
Parkinson's	IPS mixed type	68	m
Parkinson's	IPS akinetic-rigid type	67	m
Parkinson's	IPS tremordominant type	59	m
Parkinson's	IPS hypokinetic-rigid type	53	f
Parkinson's	IPS hypokinetic-rigid type	56	f
Parkinson's	IPS hypokinetic-rigid type	74	m
Parkinson's	IPS mixed type. THS. Essential Tremor	47	m
Parkinson's	IPS akinetic-rigid type	63	f
Parkinson's	IPS mixed type	67	m
Parkinson's	IPS hypokinetic-rigid type	74	m
Parkinson's	IPS hypokinetic-rigid type	55	m
Parkinson's	IPS akinetic-rigid type	65	f
Parkinson's	tremordominant type	75	f
Parkinson's	tremordominant type SWEDD	56	m
Parkinson's	mixed type. THS	56	m
Parkinson's	mixed type	77	m
Parkinson's	IPS hypokinetic-rigid type	77	m
Parkinson's	IPS	61	m
Parkinson's	IPS hypokinetic-rigid type	71	m
Parkinson's	IPS mixed type	53	m
Parkinson's	IPS tremordominant type. Resting tremor right	82	f
Parkinson's	IPS hypokinetic-rigid type	69	m
Parkinson's	iPS hypokinetic-rigid type	64	m
Parkinson's	IPS hypokinetic-rigid type	63	f
Parkinson's	IPS hypokinetic-rigid type	65	f
Parkinson's	IPS hypokinetic-rigid type THS	73	f
Parkinson's	IPS mixed type	57	f
Parkinson's	iPS von hypokinetisch rigiden Typ	71	f
Parkinson's	IPS mixed type	62	m
Parkinson's	IPS mixed type	83	m
Parkinson's	IPS hypokinetic-rigid type	77	m
Parkinson's	IPS hypokinetic-rigid type	65	m
Parkinson's	IPS mixed type	64	m
Parkinson's	IPS mixed type	57	f
Parkinson's	IPS tremordominant type	58	f

Parkinson's	IPS hypokinetic-rigid type	75	m
Parkinson's	IPS mixed type	74	m
Parkinson's	Multiple System Atrophy of Parkinson-Type	71	m
Parkinson's	IPS tremordominant type	71	m
Parkinson's	IPS tremordominant type	63	m
Parkinson's	IPS mixed type. THS	61	f
Parkinson's	IPS tremordominant type. Essential Tremor	78	m
Parkinson's	IPS mixed type. Essential Tremor	74	m
Parkinson's	IPS hypokinetic-rigid type Hypertonia	70	m
Parkinson's	IPS akinetic-rigid type	75	m
Parkinson's	IPS mixed type. Restless-Legs-Syndrom	83	f
Parkinson's	IPS mixed type	63	f
Parkinson's	IPS akinetic-rigid type	67	f
Parkinson's	IPS tremordominant type. Restless Legs-Syndrom	63	f
Parkinson's	IPS akinetic-rigid type	79	f
Parkinson's	iPS mixed type	70	f
Parkinson's	IPS akinetic-rigid type	54	f
Parkinson's	IPS akinetic-rigid type. THS	54	m
Parkinson's	IPS tremordominant type DD monosymptomatic tremor	72	m
Parkinson's	IPS hypokinetic-rigid type	65	m
Parkinson's	IPS akinetic-rigid type	54	m
Parkinson's	IPS hypokinetic-rigid type	74	m
Parkinson's	IPS akinetic-rigid type	51	f
Parkinson's	IPS mixed type. Restless-Legs-Syndrome	81	f
Parkinson's	IPS tremordominant type	69	m
Parkinson's	IPS akinetic-rigid type. THS	65	m
Parkinson's	IPS mixed type of unknown classification, DD: vascular, idiopathic	56	f
Parkinson's	IPS tremordominant type	80	f
Parkinson's	IPS akinetic-rigid type	66	f
Parkinson's	IPS mixed type. Essential Tremor	88	m
Parkinson's	IPS, not yet medicated	55	f
Parkinson's	IPS tremordominant type	67	m
Parkinson's		49	m
Parkinson's	IPS tremordominant type. Restless-Legs-Syndrome	58	m
Parkinson's	IPS akinetc rigid type	55	f
Parkinson's	IPS mixed type	65	m
Parkinson's	IPS vom akinetc rigid type	74	m
Parkinson's	IPS mixed type	68	m
Parkinson's	IPS vom hypokinetc rigid type	78	f
Parkinson's	IPS mixed type	79	f
Parkinson's	IPS mixed type	65	f
Parkinson's	IPS mixed type THS	49	m
Parkinson's	IPS mixed type. THS	69	m
Parkinson's	IPS with dystonia	42	m
Parkinson's	IPS akinetc rigid type	78	m
Parkinson's	IPS mixed type	68	f
Parkinson's	IPS tremordominant type	61	m
Parkinson's	IPS tremordominant type	73	m
Parkinson's	IPS mixed type	70	f
Parkinson's	IPS mixed type	68	m
Parkinson's	Vascular L-Dopa-responsives. hypokinetic rigid parkinsonism	67	m
Parkinson's	IPS tremordominant type	72	m

Parkinson's	IPS hypokinetic-rigid type	77	m
Parkinson's	IPS tremordominant type	68	m
Parkinson's	IPS hypokinetic-rigid type	64	m
Parkinson's	IPS mixed type	69	f
Parkinson's	IPS hypokinetic-rigid type, z. N. endocarditis	66	m
Parkinson's	IPS vom akinetisch rigider Typ	64	m
Parkinson's	IPS tremordominant type	60	m
Parkinson's	IPS mixed type	79	m
Parkinson's	IPS vom akinetisch rigider Typ	69	m
Parkinson's	IPS akinetic-rigid type	68	m
Parkinson's	Ips tremordominant type	81	m
Parkinson's	Ips hypokinetic-rigid type THS	56	m
Parkinson's	IPS akinetic-rigid type	78	f
Parkinson's	Starting IPS tremordominant type	47	m
Parkinson's		70	m
Parkinson's	Ips mixed type	73	f
Parkinson's	Ips mixed type THS	78	m
Parkinson's	IPS hypokinetic-rigid type	51	f
Parkinson's	IPS tremordominant type	78	m
Parkinson's	Atypical Parkinsonism with orthostatic dysregulation	74	m
Parkinson's	IPS tremordominant type	62	m
Parkinson's	IPS akinetic-rigid type	63	m
Parkinson's	IPS hypokinetic-rigid type	73	m
Parkinson's	IPS hypokinetic-rigid type	74	m
Parkinson's	IPS akinetic-rigid type	78	m
Parkinson's	IPS mixed type. Severely pronounced Restless-Legs-Syndrome. THS	68	m
Parkinson's	IPS mixed type	66	m
Parkinson's	IPS mixed type	64	m
Parkinson's	Hypertonie	87	m
Parkinson's	IPS hypokinetic-rigid type	47	m
Parkinson's	IPS hypokinetic-rigid type	75	m
Parkinson's	IPS mixed type. Restless-Legs-Syndrome	67	f
Parkinson's	IPS tremordominant type	66	m
Parkinson's	IPS mixed type	67	m
Parkinson's	Parkinsonism with right-sided rigor and tremor of the upper extremities	76	m
Parkinson's	IPS mixed type	66	m
Parkinson's	IPS akinetic-rigid type	49	m
Parkinson's	IPS akinetic-rigid type	67	m
Parkinson's	IPS mixed type Ausgeprägte orthostatische Dysregulation	73	f
Parkinson's	Hypokinetic-rigid Type. Left-sided. DD atypical parkinsonism	63	f
Parkinson's	IPS mixed type	75	m
Parkinson's	IPS mixed type	53	m
Parkinson's	IPS mixed type	55	m
Parkinson's	IPS mixed type	62	m
Parkinson's	IPS tremordominant type. Symptomatic Restless-Legs-Syndrome	85	m
Parkinson's	IPS mixed type	74	f
Parkinson's	Ips tremordominant type	71	m
Parkinson's	IPS tremordominant type	66	f

Parkinson's	IPS hypokinetic-rigid type, no tremor. THS	58	f
Parkinson's	IPS tremordominant type, distinctive tremor in whole left arm. THS. The device for THS was deactivated before measurement	46	m
Parkinson's	IPS akinetic-rigid type. THS	54	f
Parkinson's	IPS mixed type	69	m
Parkinson's	IPS mixed type. Paralysis of the right arm	62	m
Parkinson's	IPS mixed type THS	63	m
Parkinson's	IPS mixed type	71	m
Parkinson's	IPS akinetic-rigid type	71	m
Parkinson's	Ips akinetic-rigid type. THS	75	f
Parkinson's	IPS mixed type	78	m
Parkinson's	IPS mixed type	78	m
Parkinson's	IPS hypokinetic-rigid type	55	m
Parkinson's	IPS tremordominant type	50	f
Parkinson's	IPS tremordominant type	54	f
Parkinson's	IPS hypokinetic-rigid type	70	m
Parkinson's	IPS akinetic-rigid type	56	m
Parkinson's	IPS mixed type. THS	58	m
Parkinson's	iPS hypokinetic-rigid type	60	f
Parkinson's	Ips akinetic-rigid type	59	m
Parkinson's	Ips akinetic-rigid type	66	m
Parkinson's	IPS hypokinetic-rigid type	67	m
Parkinson's	IPS tremordominant type. Severe secondary Restless-Legs-Syndrome	65	m
Parkinson's	IPS mixed type. THS	78	m
Parkinson's	IPS hypokinetic-rigid type	47	f
Parkinson's	IPS hypokinetic-rigid type	69	m
Parkinson's	IPS mixed type	80	m
Parkinson's	IPS akinetic-rigid type	78	m
Parkinson's	IPS akinetic-rigid type	64	f
Parkinson's	IPS akinetic-rigid type	70	m
Parkinson's	IPS hypokinetic-rigid type. THS	51	m
Parkinson's	IPS hypokinetic-rigid type	70	m
Parkinson's	IPS mixed type. Periodic movement of legs while asleep	74	m
Parkinson's	IPS tremordominant type	53	m
Parkinson's	IPS hypokinetic-rigid type	53	m
Parkinson's	IPS akinetic-rigid type	46	f
Parkinson's	IPS. Secondary progressive multiple sklerosis	57	m
Parkinson's	IPS mixed type	73	m
Parkinson's	IPS hypokinetic-rigid type. THS	67	m
Parkinson's	IPS mixed type	73	m
Parkinson's	IPS mixed type	66	m
Parkinson's	IPS mixed type. THS	66	m
Parkinson's	IPS tremordominant type	64	m
Parkinson's	IPS hypokinetic-rigid type. THS	61	m
Parkinson's	IPS mixed type	52	m
Parkinson's	IPS tremordominant type	54	f
Parkinson's	IPS mixed type	61	m
Parkinson's	IPS tremordominant type	72	f
Parkinson's	IPS tremordominant type. THS	51	m
Parkinson's	IPS mixed type	65	m
Parkinson's	IPS hypokinetic-rigid type	56	m
Parkinson's	IPS tremordominant type	72	m

Parkinson's	IPS tremordominant type	53	m
Parkinson's	IPS tremordominant type	67	f
Parkinson's	IPS mit zunehmender Gangstörung und Sturzneigung	65	m
Parkinson's	IPS tremordominant type	75	m
Parkinson's	IPS tremordominant type	77	f
Parkinson's	IPS hypokinetic-rigid type. THS	61	m
Parkinson's	IPS hypokinetic rigid Typ	69	m
Parkinson's	Ips hypokinetic rigid Typ	49	f
Parkinson's	Ips mixed type	79	f
Parkinson's	IPS tremordominant type	77	m
Parkinson's	IPS akinetic-rigid type	69	f
Parkinson's	IPS mixed type	72	m
Parkinson's	IPS tremordominant type	70	f
Parkinson's	IPS tremordominant type	75	m
Parkinson's	IPS hypokinetic rigid Typ	81	m
Parkinson's	IPS DD MSA	63	m
Parkinson's	IPS akinetic rigid type	58	f
Parkinson's	IPS mixed type	70	f
Parkinson's		63	m
Parkinson's	IPS + THS	48	m
Parkinson's	IPS Tremordominanztyp mit THS	55	f
Parkinson's	iPS hypokinetic-rigid type. THS before optimization	61	m
Parkinson's	IPS hypokinetic-rigid type THS	49	f
Parkinson's	IPS DD Essential Tremor	69	m
Parkinson's	IPS tremordominant type	42	f
Parkinson's	IPS mixed type	76	m
Parkinson's	IPS akinetic-rigid type, THS, Duodopapump	57	f
Parkinson's	IPS hypokinetic rigid type	72	m
Parkinson's	Z.n. Operation after spinal disc herniation Z.n. Hemilaminectomy and revision Z.n. Fracture of humerus head right	66	m
Parkinson's	Diabetes mellitus. Polyneuropathy. Restless-Legs syndrome	73	f
Parkinson's	IPS mixed type, THS: ja	50	m
Parkinson's	IPS hypokinetic-rigid type. Test of Duodopapump	76	f
Parkinson's	IPS tremordominant type. Z.n. THS	56	m
Parkinson's	IPS mixed type	71	m
Parkinson's	IPS hypokinetic-rigid type	69	m
Parkinson's	IPS hypokinetic-rigid type. Z.n. Duodopapump	72	f
Parkinson's	Starting IPS	85	m
Parkinson's	IPS hypokinetic-rigid type, full Dyskinesia	67	f
Parkinson's		76	m
Parkinson's	Multiple System Atrophy of Parkinson-Type	64	m
Parkinson's	Multiple System Atrophy of Parkinson-Type	61	f
Parkinson's	IPS akinetic-rigid Type	68	f
Parkinson's	IPS akinetic-rigid type	66	m
Parkinson's	Essential Tremor DD IPS	69	m
Parkinson's	Essential Tremor DD IPS	69	m
Essential Tremor	Essential Tremor	57	m
Essential Tremor	Essential Tremor. THS	70	m
Essential Tremor	Essential Tremor	78	f
Essential Tremor	Essential Tremor. THS	59	f
Essential Tremor	Essential Tremor	63	m

Essential Tremor	Essential Tremor	69	m
Essential Tremor	Essential Tremor	54	m
Essential Tremor	ET THS	79	m
Essential Tremor	ET and oromandibular dystonia. Risperidon-associated	70	m
Essential Tremor	Essential Tremor of head and hands. THS	61	f
Essential Tremor	Essential Tremor	64	f
Essential Tremor	Essential Tremor	72	m
Essential Tremor	Essential Tremor. Periodic leg movement while awake and asleep. Restless-Legs-Syndrome during iron deficiency	72	m
Essential Tremor	THS	61	m
Essential Tremor		52	f
Essential Tremor	THS	82	m
Essential Tremor		79	f
Essential Tremor		64	m
Essential Tremor		45	f
Essential Tremor		77	f
Essential Tremor		49	m
Essential Tremor		62	m
Essential Tremor	Z.n. THS. Before optimization of THS	50	f
Essential Tremor	Z.n. THS. Before optimization of THS	78	f
Essential Tremor	Temporal lobe epilepsy	57	f
Essential Tremor	ET since he remembers. Diagnosed 08/2018. Additionally Alzheimer's Disease	64	m
Other Movement Disorders	Swedd	41	f
Other Movement Disorders	multiple sklerosis	67	f
Other Movement Disorders	MSA-C	67	f
Other Movement Disorders	Idiopathic generalized dystonia. THS	66	f
Other Movement Disorders	Tardive dyskinesia after neuroleptic therapy	53	f
Other Movement Disorders	Dystonia-Parkinson-Syndrome, maybe genetically	51	m
Other Movement Disorders	Tremor with unknown cause DD Alzheimer's Disease	83	f
Other Movement Disorders	Atypical PD DD PSP	79	m
Other Movement Disorders	Multiple System Atrophy of Parkinson-Type (MSA-P)	58	m
Other Movement Disorders	L-Dopa-responsive dystonia	51	f
Other Movement Disorders	Left-Sided resting tremor and hypokinesia without presynaptic striatal deficit	81	m
Other Movement Disorders	Functional movement disorder. Likely caused by chronic pain syndrome	33	m
Other Movement Disorders	Lewy-Body disease with posture tremor	73	m
Other Movement Disorders	Starting IPS DD age dependent tremor DD asymmetric Essential Tremor	69	m
Other Movement Disorders	MSA of cerebellar type	67	m
Other Movement Disorders	Drug-induced tremor. Maybe Valproat	60	f
Other Movement Disorders	Dystonial tremor of the head. Anamnestic also generalized tremor/dystonia	41	f
Other Movement Disorders	Hypoxic brain damage in childhood with symptomatic generalized dystonia, left sided. THS	52	m
Other Movement Disorders	Idiopathic polyneuropathy with ataxy and tremor - DD hereditary DD inflammatory	65	f
Other Movement Disorders	Leukoencephalopathy of unknown etiology	48	f
Other Movement Disorders	Maybe normal-pressure-hydrocephalus. DD starting IPS	63	m
Other Movement Disorders	Paroxysmal kinesigenic dyskinesia	33	f

Other Movement Disorders	IPS akinetic-rigid type DD PSP of Parkinson type	77	m
Other Movement Disorders	Asymmetric tremor of the hand of unknown etiology	59	f
Other Movement Disorders	Progressive supranuclear conjugate gaze palsy a.e. type Richardson. Restless Legs Syndrome	74	f
Other Movement Disorders	Segmental dystonia. THS	46	f
Other Movement Disorders	Restless-Legs-Syndrome	69	f
Other Movement Disorders	Multiple Sklerosis	55	m
Other Movement Disorders	Spinocerebellar syndrome with cerebral atrophy. intention tremor both-sided asymmetric	69	m
Other Movement Disorders	Dystonic tremor	85	f
Other Movement Disorders	Segmental dystonia	60	m
Other Movement Disorders	Multiple System Atrophy of Combined-Type	77	f
Other Movement Disorders	Cervical dystonia	68	m
Other Movement Disorders	Multiple Sklerosis of relapsing type	49	f
Other Movement Disorders	Dystonia of unknown etiology	51	f
Other Movement Disorders	Left-sided tremor. Maybe increased physiological tremor	69	m
Other Movement Disorders	Clinically diagnosed L-Dopa responsive dystonia	52	f
Other Movement Disorders	Multiple Sklerosis of relapsing type	37	m
Other Movement Disorders	MSA of Parkinson type	67	f
Other Movement Disorders	Mild cervical dystonia	55	f
Other Movement Disorders	Generalized dystonic movement disorder. THS	35	f
Other Movement Disorders	Dystonic movement disorder. Tremor of the head. Torticollis to the right. THS	56	f
Other Movement Disorders	Chorea minor Sydenham	48	f
Other Movement Disorders	Multiple Sklerosis	51	m
Other Movement Disorders	Multiple Sklerosis of relapsing type	54	m
Other Movement Disorders	Multiple Sklerosis of primary-progressive type	62	m
Other Movement Disorders	Multiple Sklerosis of relapsing type	60	f
Other Movement Disorders	Cervical dystonia with rotatory Torticollis to the right side and Retrocollis. THS	69	m
Other Movement Disorders	Cervical dystonia with Torticollis with tremor. Essential Tremor	72	m
Other Movement Disorders	Adult multifocal dystonia of unknown etiology	44	f
Other Movement Disorders	Cervical dystonia. THS	56	f
Other Movement Disorders	Multiple Sklerosis of secondary progressive type	40	m
Other Movement Disorders	Segmental orofacial dystonia with blepharospasm. THS	77	f
Other Movement Disorders	Torticollis to the left with dystonic tremor	54	f
Other Movement Disorders		45	f
Other Movement Disorders		53	m
Other Movement Disorders	Torticollis to the left with dystonic tremor	54	f
Other Movement Disorders	Unknown Tremor, especially of the head	80	f
Other Movement Disorders	Coarse resting tremor right with unknown cause	56	f
Other Movement Disorders	ET DD functional tremor right arm and mild tremor of the head	42	f
Other Movement Disorders	Asthma bronchiale Z.n. Pericardial effusion	21	f
Other Movement Disorders	Right dominant tremor. Maybe Lithium-associated	68	m
Other Movement Disorders	Cervical dystonia	69	m