Parkinson's Progression Markers Initiative

Cohort Acronym
PPMI

Cohort type
Neurodegenerative disease-specific cohort

Disease
Parkinson's disease

Participant type
At-risk diagnosis, Condition diagnosed, No diagnosis

Profile
Recruitment Period 2010 - present
Sample size at start or planned sample size if still recruiting
Estimated Current Sample Size
Age at Recruitment
Gender Male and Female
Abstract

The Parkinson's Progression Marker Initiative (PPMI) is an observational, international study designed to establish biomarker defined cohorts and identify clinical, imaging, genetic and biospecimen Parkinson's disease (PD) progression markers to accelerate disease modifying therapeutic trials. A total of 423 untreated PD, 196 Healthy Control (HC), 64 SWEDD (scans without evidence of dopaminergic deficit) subjects, and 65 Prodromal subjects (individuals with hyposmia or REM Sleep Behavior Disorder) were enrolled. PPMI is actively enrolling affected and unaffected individuals with genetic mutations in LRRK2, GBA, or SNCA through the end of 2018. For the most up to date enrollment numbers, please visit http://www.ppmi-info.org/study-design/study-cohorts/. To enroll PD subjects as early as possible following diagnosis, subjects were eligible with only asymmetric bradykinesia or tremor plus a dopamine transporter (DAT) binding deficit on SPECT imaging. Acquisition of data was standardized as detailed at www.ppmi-info.org.

Country Australia, Austria, France, Germany, Greece, Israel, Italy, Norway, Spain, United Kingdom, USA

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Variables Collected

Brain related measures:
N/A

Funtional rating:
Individual physiological, Individual psychological

Anthropometric:
Blood pressure, Height, Weight

Physical:
Cardiovascular, Hearing and Vision, Musculoskeletal, Reproductive, Respiratory

Biological samples:
Blood, Cerebral spinal fluid (CSF), Other, Urine

Genotyping:
Gene screening

Brain imaging:
Magnetic resonance imaging (MRI), Single photon emission computerised tomography (SPECT)

Brain banking:
N/A

Lifestyle:
Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:
Education, Ethnic group, Family circumstances

Health service utilisation:
N/A