

Resource Summary Report

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Gait in Parkinson's Disease

RRID:SCR_006891

Type: Tool

Proper Citation

Gait in Parkinson's Disease (RRID:SCR_006891)

Resource Information

URL: <http://www.physionet.org/physiobank/database/gaitpdb/>

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Description: Database that contains measures of gait from 93 patients with idiopathic PD (mean age: 66.3 years; 63% men), and 73 healthy controls (mean age: 66.3 years; 55% men). The database includes the vertical ground reaction force records of subjects as they walked at their usual, self-selected pace for approximately 2 minutes on level ground. Underneath each foot were 8 sensors (Ultraflex Computer Dyno Graphy, Infotronic Inc.) that measure force (in Newtons) as a function of time. The output of each of these 16 sensors has been digitized and recorded at 100 samples per second, and the records also include two signals that reflect the sum of the 8 sensor outputs for each foot. This database also includes demographic information, measures of disease severity (i.e., using the Hoehn & Yahr staging and/or the Unified Parkinson's Disease Rating Scale) and other related measures (available in HTML or xls spreadsheet format). A subset of the database includes measures recorded as subjects performed a second task (serial 7 subtractions) while walking, which shows excerpts of swing time series from a patient with PD and a control subject, under usual walking conditions and when performing serial 7 subtractions. Under usual walking conditions, variability is larger in the patient with PD (Coefficient of Variation = 2.7%), compared to the control subject (CV = 1.3%). Variability increases during dual tasking in the subject with PD (CV = 6.5%), but not in the control subject (CV = 1.2%).

Resource Type: data or information resource, database

Defining Citation: [PMID:16053531](#)

Keywords: gait, speed, treadmill, stride variability

Related Condition: Parkinson's disease

Funding: NIH ;
National Parkinson's Foundation ;
Parkinson's Disease Foundation

Availability: Acknowledgement requested

Resource Name: Gait in Parkinson's Disease

Resource ID: SCR_006891

Alternate IDs: nif-0000-00248

Record Creation Time: 20220129T080238+0000

Record Last Update: 20250507T060443+0000

Ratings and Alerts

No rating or validation information has been found for Gait in Parkinson's Disease.

No alerts have been found for Gait in Parkinson's Disease.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Zeng W, et al. (2016) Parkinson's disease classification using gait analysis via deterministic learning. Neuroscience letters, 633, 268.