

Resource Summary Report

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Gait in Aging and Disease Database

RRID:SCR_006886

Type: Tool

Proper Citation

Gait in Aging and Disease Database (RRID:SCR_006886)

Resource Information

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

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Description: A mini-collection of human gait data that was constructed as a teaching resource for an intensive course (The Modern Science of Human Aging, conducted at MIT) that includes walking stride interval time series from 15 subjects: 5 healthy young adults (23 - 29 years old), 5 healthy old adults (71 - 77 years old), and 5 older adults (60 - 77 years old) with Parkinson's disease. For each subject, two columns of data are included. The first column is time (in seconds) and the second is the stride interval (variously known as stride time, gait cycle duration, and time between successive heel strikes of the same foot). The same data are also available as standard PhysioBank-format annotation (.str) and header (.hea) files, for viewing or analysis using PhysioToolkit software from this site. Subjects walked continuously on level ground around an obstacle-free path. The stride interval was measured using ultra-thin, force sensitive resistors placed inside the shoe. The analog force signal was sampled at 300 Hz with a 12 bit A/D converter, using an ambulatory, ankle-worn microcomputer that also recorded the data. Subsequently, the time between foot-strikes was automatically computed. The method for determining the stride interval is a modification of a previously validated method that has been shown to agree with force-platform measures, a gold standard. Data were collected from the healthy subjects as they walked in a roughly circular path for 15 minutes, and from the subjects with Parkinson's disease as they walked for 6 minutes up and down a long hallway.

Abbreviations: GaitDB

Resource Type: training material, data or information resource, narrative resource, data set

Keywords: early adult human, late adult human, gait, stride

Related Condition: Aging, Healthy, Parkinson's disease

Resource Name: Gait in Aging and Disease Database

Resource ID: SCR_006886

Alternate IDs: nlx_45963

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260808T185903+0000

Ratings and Alerts

No rating or validation information has been found for Gait in Aging and Disease Database.

No alerts have been found for Gait in Aging and Disease Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.