

Special Issue on Clinical Utility of Wearable Device in Parkinson Disease

CALL FOR PAPERS

Gait disorders are cardinal neurological symptoms; locomotor disability negatively affects quality of daily life. The features of gait disorders can be clinically distinguished in various neurological diseases. However, tests based on short-distance walking can clarify only one aspect of gait movements in daily life. Gait movements are not automatic but are controlled voluntarily in daily life. Thus, it is important to measure features of each gait disorder over a long period of time during various gait movements in daily living.

Recently, long-term monitoring with newly developed wearable devices has traced changes in gait parameters in daily life of patients with Parkinson's disease and hence provides important data on the mechanisms of deficits in voluntary control of gait movements.

The present reviews and articles aim to examine new aspects of gait and other motility disorders in Parkinson's disease and other related diseases with plural newly developed wearable devices.

Potential topics include but are not limited to the following:

- Overview: significance of wearable device in gait analysis
- Deficits in gait force and rhythm control in Parkinson's disease: new findings revealed by a novel wearable device, portable gait rhythmogram
- Frozen gait and falling in Parkinson's disease and wearable devices
- Do wearable devices detect features in running of patients with Parkinson's disease?
- Articles by contributors who apply to this issue

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