

*A mobility lab
in your pocket*

The system is made of a *user-friendly* APP, a **smartphone**, and a **small wireless sensor**.

mSWAY, uses a single waist-worn sensor for the assessment of postural steadiness both for experimental research and for the clinical practice. Stabilometry can be helpful in evaluating functional changes in balance control, therapy effect, and fall risk.



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mSWAY 

A mobility lab in your pocket for the assessment of postural sway

*Easy
Certified
Mobile*



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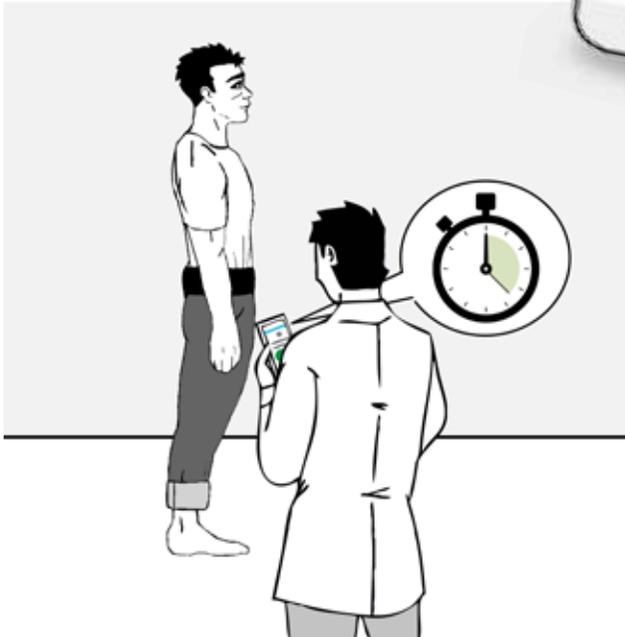
How was mSWAY conceived?

Postural sway assessment has already proven to be sensitive to change in rehabilitation, sensitive to pathologies, and useful for fall risk prediction

mSWAY is the result of a long-lasting experience of our team on research and innovation, gained through EU research projects and the participation to a wide network of collaborations with national and international institutions.

We are aware of the limited amount of time available for functional assessment: during everyday clinical practice it is very important to provide clinically relevant information with a minimal effort.

mSWAY was designed keeping that in mind.



What does mSWAY do?

mSWAY is a **Medical Device** for the automatic objective measurement of body sway. It can be a valid and reliable alternative to force plate-based measures.

mSWAY allows clinicians and researchers to:

- administer assessment protocols in a standardised and structured manner;
- extract a set of time-domain and frequency-domain features already used in the literature;
- compare tests performed at different times;
- generate ready to print pdf reports about history and current functional status of the patient.

How it works:

mSWAY uses a single inertial sensor wirelessly connected to a smartphone. The sensor is worn on the lower back by means of an elastic waist belt.

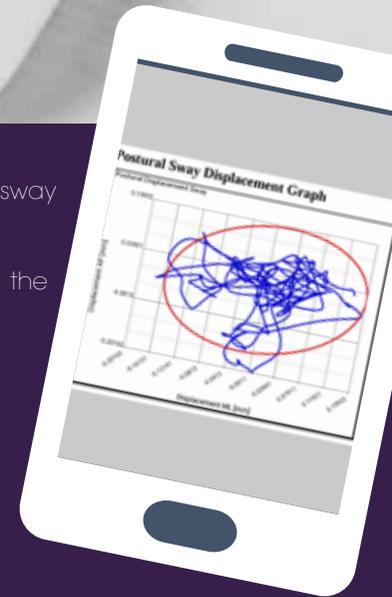
The mSWAY app has a user-friendly interface with a single connect/start/stop button

At the end of the assessment, a customisable report is automatically generated by the app



characteristics of postural sway such as:

- Length and range of the sway path
- Sway area
- Sway velocity
- Frequency dispersion
- And more...



mSWAY is based on algorithms that have been successfully and intensively tested on geriatric patients and on subjects with Parkinson's disease, stroke, and vestibular loss.

mSWAY is an extremely easy, quick, and practical mobile solution designed for the everyday clinical practice.