

Posture, Mobility and Fall

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Posture, Mobility and Falls

Posture



Mobility (ICF)



Falls and their impact on the autonomy



Posture, Mobility and Falls

**Main
neurological
diseases**

**Stroke
Parkinson
Multiple sclerosis
Cerebellar ataxia
Spinal cord injuries (para)
Neuropathies
Neuromuscular diseases
Cerebral Palsy
...**

Millions of patients...

Posture, Mobility and Falls

Approaches

Basic research, animals and humans

Underlying mechanisms of deficits, neural bases...

Basic concepts and models, biomechanics, cognitive neurosciences

Assessment, scales and instrumentation (posturography, verticality perception, gait and movement analysis)

Epidemiology (falls) and Handicap

Prevention-Education (falls)

Rehabilitation

Intensive training

Specific exercises

Neuromodulation

Novel technologies: moving platforms, virtual reality, robotics,

Compensation

Posture, Mobility and Falls

People interested

Patients and relatives

Medical doctors

Physiotherapists

(Neuro)Psychologists

Occupational therapists

Ingeniors

Specialists in Physical activity

Neuroscientists, researchers

...

Possible partnerships

Industry of biomedical devices

Companies involved in spasticity

Posture, Mobility and Falls

- Actions of the SIG PMF since 2012 -

WFNR Congress

Melbourne 2 symposia

Postural Disorders after Stroke, Theory and Practice

Falls after Stroke

Istanbul

One symposium (3 proposals merged) and 1 precongres workshop

Publications : 30% of papers published in NNR 2012 deal
with the topic Posture, Mobility or falls !

Organisation-Structure of the SIG

Organisation in progress

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Posture, Mobility and Falls

- Issues and perspectives -

Debating - Editing Clinical guidelines, review papers

Assessment

Rehab

Building a network for researches

More collaborative actions, involving all continents

Place in WFNR

More symposia in meetings, not only postural gait disorders after stroke

Speakers from all countries

Think about teaching courses and specific scientific congress

Website

Interface with other SIG: Movement disorders, Early Rehabilitation, Measurements-assessments, Clinical pathways, Clinical trials, Neuropsychological Rehabilitation, Robotics...

Thank you for suggestions