



IRCSS Fondazione Istituto Neurologico
Nazionale C. Mondino – Pavia
Direttore Scientifico: G. Nappi



Dipartimento di Sanità Pubblica,
Neuroscienze, Medicina Sperimentale e Forense
Università degli Studi di Pavia



New technologies in Neurorehabilitation
"Advance and perspectives in gait rehabilitation"

Program

Chairmen: G. Sandrini, F. Pierelli, L. Saltuari, E. D'Angelo

Friday 08 June 2012

8:30 - *Registration desk*

9:00 – The impact of brain stimulation on plasticity: perspectives for motor control and rehabilitation

Egidio D'Angelo
University of Pavia, Italy

9:20 – Robotic devices in gait rehabilitation

Leopold Saltuari
Clinic Hochzirl, Zirl/Innsbruck, Austria.

9:40 – TDCs modulation of flexion reflex: future developments for gait rehabilitation

Monica Bolla
IRCCS Istituto Neurologico C. Mondino
University of Pavia, Italy

10:00 - *Coffee break*

10:30 - Functional electrical stimulation (FES) device to improve gait: new solutions for gait assistance.

Michelangelo Bartolo
IRCCS Neuromed, Pozzilli (IS), Italy

10:50 – FES cycling: can it promote recovery of gait?

Davide Lenzi
Biotech, Pozzilli (IS), Italy

11:10 – Electrical stimulation of the sole foot: the use of polysynaptic reflexes in gait rehabilitation

Ole Kæseler Andersen/Erika Geraldina Spaich
Aalborg University, Denmark

11:40 – The critical aspects of gait rehabilitation

Mariano Serrao
University of Rome, Polo Pontino, Latina, Italy

12:00 – How do sensory cues improve gait performance?

Cristina Tassorelli
IRCCS Istituto Neurologico C. Mondino
University of Pavia, Italy

12:20 – Work place rehabilitation

Alberto Ranavolo, Francesco Draicchio
INAIL - Istituto Nazionale per l'Assicurazione
contro gli Infortuni sul Lavoro, Rome, Italy

12:40 – *Conclusions*

Scientific Secretariat and contact:

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Venue:

D. Rossi Room Conference

Institute of Neurology IRCCS C. Mondino Foundation

Via Mondino 2 (ex Via Ferrata)

27100 Pavia (Italy)

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Participants



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Egidio D'Angelo is Professor and Head of the Brain Connectivity Center, IRCCS Mondino, University of Pavia, Italy.



Monica Bolla is Researcher at the IRCCS Istituto Neurologico C. Mondino, University of Pavia, Italy.



Michelangelo Bartolo is Researcher and Head of the NeuroRehabilitation Unit at the IRCCS Neuromed, Pozzilli (Isernia), Italy



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Ole Kæseler Andersen is Professor at Department of Health Science and Technology and Head of the Research Interest Group in Integrative Neuroscience, Aalborg University, Denmark.



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Francesco Draicchio is Researcher and Head of the Movement Analysis LAB, INAIL - National Institute for Occupational Safety and Health, Monteporzio Catone (Rome), Italy



Alberto Ranavolo is Researcher at the Movement Analysis LAB, INAIL - National Institute for Occupational Safety and Health, Monteporzio Catone (Rome), Italy