

GENERAL INFORMATION

Congress Venue

Aula Magna Collegio Cairoli,
Piazza Collegio Cairoli - Pavia

How to get to the congress venue

The Collegio Cairoli, located in the town centre, can be reached by car (parking available in Piazza Collegio Cairoli).

Language

The language of the meeting will be English.

Attendance Certificate

At the end of the meeting, registered delegates will receive, upon request, an attendance certificate.

Registration

The number of places is limited, therefore registration will be on a first-come first-served basis. The registration form must be submitted to the Organizing Secretariat, by fax (fax n. 0382 33822), by **April 30 2006**.

Registration forms submitted without full name, complete ECM data, or postal address will not be processed.

E.C.M. (Educazione Continua in Medicina)

(per i soli partecipanti italiani)

Provider: IRCCS Fondazione Istituto C. Mondino

E' stata inoltrata la richiesta per:

- **Medico Chirurgo** (*Medicina Generale, Neurologia, Neurofisiopatologia*)
- **Tecnico di Neurofisiopatologia.**

SCIENTIFIC SECRETARIAT

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ORGANIZING SECRETARIAT

Congress Team Project

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University Centre
for Adaptive Disorders
and Headache



Università degli Studi di Pavia
Dipartimento di
Scienze Neurologiche



Fondazione
"Istituto Neurologico
Casimiro Mondino"

IV FUNCTIONAL NEUROLOGY
CLUB SYMPOSIUM

**FLEXION REFLEX AS A TOOL
FOR EXPLORING PAIN
AND MOTOR CONTROL SYSTEMS**

FROM RESEARCH TO CLINICAL PRACTICE



**SATELLITE WORKSHOP
ON KINEMATIC ANALYSIS
IN NEUROREHABILITATION**

Pavia, 19th May 2006 - Collegio Cairoli

Convenors:

**A. Moglia
G. Sandrini**

Under the patronage of

University Centre for Adaptive Disorders and Headache •
University of Pavia •
IRCCS "C. Mondino", Pavia •
Eurohead Project •
Gruppo Neuroscienze e Dolore •
Società italiana di Riabilitazione Neurologica (SIRN) •

The Functional Neurology Club
A European research network for the study of
headache, pain and movement disorders

Honorary Presidents:

Paul Jean Delwaide (*Liège, B*)
Giuseppe Nappi (*Pavia-Rome, I*)

Presidents:

Jean Schoenen (*Liège, B*)
Arrigo Moglia (*Pavia, I*)

Scientific Co-ordinators:

Headache and pain
Giorgio Sandrini (*Pavia, I*)
Movement disorders
Alain Maertens de Noordhout (*Liège, B*)

Scientific Secretariat:

Headache and pain
Anna Ambrosini (*Pozzilli (IS), I*)
Peter S. Sandor (*Zurich, CH*)
Movement disorders
Enrico Alfonsi (*Pavia, I*)

The Club is intended to promote research and the exchange of information among scientists attending the centres of Liège and Pavia and to conduct research in the field of functional neurology. The FNC organizes annual meetings and/or symposia hosting researchers who contribute to the development of this field.

This 2006 Symposium focuses on the flexion reflex as tool for exploring pain and motor control in humans. Through investigation in normal volunteers they attempt to improve the knowledge concerning the pathways involved in pain and motor control systems. These reflexes are useful in several pathological conditions and as markers of pharmacological responses.

A specific topic will concern instrumental investigations and treatment of neuropathic pain. There will also be a satellite workshop on kinematic analysis in neurorehabilitation will be held.

PROGRAMME

09:00 **Welcome**
G. Nappi
*Scientific Director, IRCCS C. Mondino
Institute of Neurology, Pavia*
A. Calligaro
*Dean of the Faculty of Medicine,
University of Pavia*

NOCICEPTIVE FLEXION REFLEX AND PAIN

CHAIRMEN: G. Sandrini (*Pavia*), F. Pierelli (*Rome*)

09:10 J.C. Willer (*Paris*)
Diffuse Noxious Inhibitory Controls in humans

09:35 L. Arendt-Nielsen (*Copenhagen*)
Assessing temporal summation from skin, muscles and viscera: experimental and clinical studies

10:00 O.K. Andersen (*Copenhagen*)
Modular organization of human leg withdrawal reflexes

10:15 G. Cruccu (*Rome*)
Laboratory investigations in neuropathic pain

10:35 Discussion

10:50 Coffee break

THERAPEUTIC ASPECTS

CHAIRMEN: A. Moglia (*Pavia*), M. Leandri (*Genoa*)

11:05 P. Rossi (*Rome*)
Nociceptive flexion reflex in headache and other pain conditions

11:25 E. Alfonsi, A. Perrotta (*Pavia*)
Pharmacological modulation of flexion reflex

11:45 P. Marchettini (*Milan*)
Treatment of neuropathic pain

12:15 Discussion

13:00 Lunch

PROGRAMME

FLEXION REFLEX AND MOTOR CONTROL

CHAIRMEN: M. Schieppati (*Pavia*), G. Abbruzzese (*Genoa*)

14:00 M. Serrao (*Rome*)
Flexion reflex of upper limb

14:20 A. Rossi (*Siena*)
Flexor reflex interneuronal system and posture

14:40 P. Crenna (*Milan*)
Excitability of spinal reflexes during human gait

15:00 Discussion

15:30 Coffee break

FLEXION REFLEX AND MOVEMENT DISORDERS

CHAIRMEN: V. Cosi (*Pavia*), B. Bergamasco (*Turin*)

15:45 I. Milanov (*Sofia*)
Polysynaptic reflex and spasticity

16:15 A. Lozza (*Pavia*)
**Spinal activity in stiffman syndrome
Electrophysiological evaluation**

16:30 P. Martinelli, C. Scaglione (*Bologna*)
Monosynaptic and polysynaptic spinal reflexes in Restless Legs Syndrome

16:45 Discussion

SATELLITE WORKSHOP ON KINEMATIC ANALYSIS IN NEUROREHABILITATION

CHAIRMEN: S. Quaglini (*Pavia*), G. Sandrini (*Pavia*)

17:00 **Kinematic analysis of prehension in hemiparetic patients**
A. Roby-Brami (*Paris*)

17:20 **Impairment of trunk control in stroke and Parkinson's disease**
C. Tassorelli, M. Bartolo (*Pavia*)

17:30 **Kinematic models for trunk and upper limbs**
A. Ranavolo, E. Fermi (*Rome, Milan*)

17:50 Discussion