

NEUROPATHIES REHABILITATION

**HOTEL EXCEL ROMA MONTMARIO
VIA DEGLI SCOLOPI,31
ROME**

SUMMER SCHOOL

OBJECTIVES

Educate clinicians, researchers,
physiotherapists and patient advocacy
groups working in rehabilitation and
Neuromuscular disease field:

- Basics of rehabilitation for peripheral neuropathies
- New trends in rehabilitation medicine, with special focus on innovative technological rehabilitation and tele rehabilitation
- Evidences available in literature
- Rehabilitation applied to specific polyneuropathies

**Outline and showcase how networks like
EURO-NMD facilitate the development
of rehabilitation medicine**

- Development of standards of care
- Development of outcome measures
- Development of clinical trials in rehabilitations

AIM!

To disseminate knowledge
on current and future
modalities of rehabilitation
in rare and complex
peripheral neuropathies
and assessment of
evidences

PROGRAMME COMMITTEE

TARGET AUDIENCE

- Physiotherapists and occupational therapists
- Clinicians with interest in neuromuscular diseases
- Clinicians in rehabilitation medicine
- Patient advocacy groups

Luca Padua (President): Director of the Operative Unit of High Intensity Neurorehabilitation of the Fondazione Policlinico Universitario A. Gemelli IRCCS;

Teresinha Evangelista: Coordinator ERN EURO-NMD

Massimo Marra: Founder-CIDP ITALIA;

Angelo Schenone: Director of the Clinical Neurology Unit, IRCCS San Martino Hospital and University of Genova;

Davide Pareyson: Director of Rare Neurological Diseases Unit, Fondazione IRCCS Istituto Neurologico C.Besta (FINCB) of Milan;

Jean-Philippe Plançon: President European Patient Organization for Dysimmune and Inflammatory Neuropathies (EPODIN);

PROGRAMME

MONDAY 18TH SEPTEMBER

SESSION 1: Introduction

14:15-14:45

Welcome and Introduction

Luca Padua, Teresinha Evangelista, Massimo Marra, Davide Pareyson, Jean-Philippe Plançon, Angelo Schenone

Objective: Introduction of organizers; layout of the program and learning objectives; participant presentation

14:45-15:45

Key concepts of rehabilitation

Needs of the patients (Massimo Marra and Jean-Philippe Plançon) and view of the physiotherapist (Gita Ramdharry) and the clinician (Luca Padua-Chair)

Objective: give participants a global overview of the patients' needs and of the different aspects of rehabilitation and the current care and management practices (30' talk, 30 Q&A)

15:45-16:15 TEA & COFFEE BREAK

16:15-17:30

Access to treatment and rehabilitation in the EU

Angelo Schenone (Chair)

Offers in Europe: Marian Ciopec, Jean-Philippe Plançon, Filippo Genovese

Objective: give participants a global overview of the different access to rehabilitation across Europe (3x20' patients' presentations, followed by discussion)

17:30 END OF DAY





TUESDAY 19TH SEPTEMBER

SESSION 2:

Introduction to neuropathies Specific diseases and related problems

08:30-10:00

Outcome measures and Patient reported outcome measures

Daide Pareyson (Chair) and Valeria Prada

A talk from a physiotherapist and a clinician about outcome measures in the rehabilitation of peripheral neuropathies.

(Distinction between what is used in clinical practice and what is done in trials)

10:00-10:30 TEA & COFFEE BREAK

10:30-12:00

Acute Dysimmune neuropathies – GBS and similar

Objective: presentation of diseases features, specific outcome measures, and rehabilitation (literature, current and future practice)

Shahram Attarian (Chair)

- Disease characteristics and main symptoms
Peter Van den Bergh
- What we know from literature and clinical scales
Peter Van Den Bergh
- Current practice & perspectives
Daniele Coraci

(3x20' for talk, 30' discussion)

12:00-13:00

Intensive Care Unit Acquired Weakness

Objective: presentation of diseases features, issues in outcome measures, and rehabilitation

Luca Padua (Chair) and Cristina Cuccagna

(40' for talk, 20' discussion)

13:00-14:00 LUNCH

14:00-15:30

Chronic inflammatory neuropathies – CIDP and similar

Objective: presentation of disease features, specific outcome measures, and rehabilitation (literature, current and future practice)

Shahram Attarian (Chair)

- Disease characteristics and main symptoms
Shahram Attarian
- What we know from literature and clinical scales
Shahram Attarian
- Current practice & perspectives
Vincenza Amoroso and Davide Glorioso

(3x20' for talk, 30' discussion)

15:30-16:00 TEA & COFFEE BREAK

16:00-17:30

Painful / Ataxic Neuropathies

Objective: presentation of disease features, specific outcome measures, and rehabilitation (literature, current and future practice)

Giuseppe Lauria (Chair)

- Disease characteristics and main symptoms
Giuseppe Lauria
- What we know from literature and clinical scales
Antonio Nardone
- Current practice & perspectives
Antonio Nardone (Italy)

(2x20' talk, 1x30' talk, 20' discussion)

17:30-19:00

Amyloidosis

Objective: presentation of disease features, specific outcome measures, and rehabilitation (literature, current and future practice)

Daide Pareyson (Chair)

- Disease characteristics and main symptoms
Teresa Coelho
- What we know from literature and clinical scales
Teresa Coelho
- Current practice & perspectives
Valeria Prada

(3x20' for talk, 30' discussion)

19:00 END OF DAY

FACULTY DINNER



WEDNESDAY 20TH SEPTEMBER

SESSION 2 continued:

Introduction to neuropathies

Specific diseases and related problems

09:00 – 10:30

CMT hereditary neuropathies

Objective: presentation of disease features, specific outcome measures, and rehabilitation (literature, current and future practice)

Daide Pareyson (Chair)

- Disease characteristics and main symptoms
Tanya Stojkovic
- What we know from literature and clinical scales
Riccardo Zuccarino
- Current practice & perspectives
Gita Ramadharry

(3x20' for talk, 30' discussion)

10:30-11:10 TEA & COFFEE BREAK

SESSION 3:

Technologies applied to rehabilitation

Chairs: Angelo Schenone; Riccardo Zuccarino

11:00-11:45

Robotics

Use of robotics and rehabilitation: the present and the future

Jean Yves Hogrel and Romain Feigean

Objective: presentation of current and future employment of robotics in rehabilitation

(30' talk, 15' discussion)

11:45-12:30

Vibration

Use of vibration and rehabilitation: the present and the future

Luca Padua and Augusto Fusco

Objective: presentation of current and future employment of vibration in rehabilitation

(30' talk, 15' discussion)

12:30-13:15

Wearables and smart tools

Use of wearables and smart tools: the present and the future

Mehrnarz Hamedani

Objective: presentation of current and future employment of wearables and smart tools in rehabilitation

(30' talk, 15' discussion)

13:15-14:15 LUNCH

14:15 – 15:00

Electric stimulation

Use of electric stimulation in rehabilitation: the present and the future

Massimiliano Mangone

Objective: presentation of current and future employment of electric stimulation in rehabilitation

(30' talk, 15' discussion)



15:00-15:45

Other technological tools

Gabriele Siciliano

Objective: presentation of current and future employment of other technological tools in rehabilitation

(30' talk, 15' discussion)

15:45-16:15 TEA & COFFEE BREAK

16:15-17:00

Tele-rehabilitation

Sabrina Sacconi

Objective: presentation of current and future employment of telehealth in rehabilitation

(30' talk, 15' discussion)

17:00-19:00

Clinical presentation/hands on session

Valeria Prada and Irene Carantini

Objective: practical examples of rehabilitative management of different neuropathies

19:30 NETWORK DINNER

THURSDAY 21ST SEPTEMBER

9:00-10:00 How to organize a clinical trial with rehabilitation

9:00-10:00

How to organize a clinical trial with rehabilitation

Angelo Schenone & Riccardo Zuccarino

Objective: presentation of difficulties and solutions in running clinical trials in rehabilitation
(45' talk, 15' discussion)

10:00-11:15

Work in small groups (4-5 groups)

Angelo Schenone; Massimo Marra (Co-chairs)

We ask group of 10 participants to prepare a small talk (10' max)

- Expectations, achievements, suggestions
- The things they learnt
- How this will influence their daily work
- What we should keep in future training schools
- What we should drop/improve
- What they were missing

11:00-11:45 TEA & COFFEE BREAK

11:45-12:45

Presentation of the work of small groups & Discussion, Highlights and Telematics questions

Luca Padua (Chair) & Scientific Committee



Online questionnaire for eligibility for attendance certificates



12:45

**END OF NEUROPATHIES
REHABILITATION SUMMER
SCHOOL**

Thanks to:



ORGANIZING SECRETARIAT

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