CME (CONTINUING MEDICAL EDUCATION)

To obtain the CME credits, the participants must: be specialized exclusively in the disciplines indicated in the program, attend 90% of the scientific lectures, pass the learning test (multiple-choice questionnaire), deliver the filled out forms to the secretarial desk.

EDUCATION

The objective of national interest: technical-professional contents (knowledge and skills) specific to each profession

- Acquisition of technical-professional skills: technological innovation: evaluation, improvement of management processes of biomedical technologies and medical devices. Health technology assessment (29)
- Acquisition of process skills: clinical documentation, diagnostic and rehabilitative and clinical-assistance procedures, assistance profiles, therapeutic profiles (3)
- Acquisition of system skills: application in practice of the principles and procedures of evidence based practice (ebm - ebn - ebp) (1)

Accredited professions:

- Physiotherapist
- Nurse
- Medical doctor (All disciplines)
- Occupational therapist

Event Code: 1449-276904

Maximum number of participants: 150

Course Objective:

Application in daily practice of the principles and procedures of the evidence based practice (EBM - EBN - EBP)

Education hours: 7

The registration form is available on the following site:

https://ecm.unisanraffaele.gov.it/course/index.php?categoryid=8

Registration deadline: Monday, 25th November 2019

DATE AND PLACE

Monday, 9th December 2019 SAN RAFFAELE SPA Via di Val Cannuta 247, Rome

PROVIDER (ID ECM 1449)

IRCCS San Raffaele

Pisana

IRCCS SAN RAFFAELE PISANA ROME

Via della Pisana, 235 - 00163 Rome Phone: +39 06 5225 2030 Web Site: www.sanraffaele.it

ORGANIZING SECRETARIAT

For information:

Leonardo Pellicciari robotics@sanraffaele.it

Astrid Van Riin

ufficio.formazione@sanraffaele.it

Requested endorsements:

SIMFER

SIN

SIRN

ISPRM

REGIONE LAZIO

MINISTERO DELLA SALUTE

CONSIGLIO DEI MINISTRI





REHABILITATION

a future challenge of Robotics



RESIDENTIAL EVENT Monday, 9th December 2019
IRCCS San Raffaele - Rome

Simultaneous translation is provided

REHABILITATION a future challenge of Robotics

RATIONALE

Numerous evidence-based efficacy studies demonstrate that a high-intensity, repetitive early rehabilitation can promote the recovery of specific impairments following neurological disease and, thus, improving the body functions. Robotic technologies represent an innovative therapeutic opportunity for patients not only regarding their effect on motor recovery but also for optimizing the quality of treatments and, as a result, improving the autonomy of the patient and his/her quality of daily living and participation to social life. Accordingly, robotics supporting rehabilitation activities allows patients with severe disability to achieve a better quality of life. Also at the IRCCS San Raffaele Pisana Rome, robotic systems are applied to perform more effective and personalized rehabilitation treatments, providing a significant contribution to the excellent routine health care and scientific research activities.

This cutting-edge scientific event emphasizes the importance of robotics for the future of rehabilitation. Several international and national world-leading experts in Robotic Rehabilitation will share and discuss their most recent experiences and findings related to this theme.

PRESIDENT OF THE CONGRESS

Marco Franceschini

Coordinator of neuro-rehabilitation research IRCCS San Raffaele Pisana Rome Full professor in Physical Medicine and Rehabilitation San Raffaele University Rome

FACULTY

Irene Aprile, Rome
Donatella Bonaiuti, Monza
Dino Bramanti, Messina
Federica Bressi, Rome
Maria Chiara Carrozza, Milan
Maria Francesca De Pandis, Cassino
Alberto Esquenazi, Philadelphia
Giorgio Felzani, Sulmona
Piero Fiore, Bari
Marco Franceschini, Rome
Walter Frontera, Puerto Rico
Francesca Gimigliano, Naples
Alessandro Giustini, Porto Potenza Picena
Michela Goffredo, Rome
Sandro Iannaccone, Milan

Francesco Infarinato, Rome
Hermano Igo Krebs, Boston
Crocifissa Maria Lanzilotti, Ceglie Messapica
Domenica Le Pera, Rome
Thierry Lejeune, Brussels
Stefano Mazzoleni, Pisa
Franco Molteni, Costa Masnaga
Luca Padua, Rome
Federico Posteraro, Camaiore
Sanaz Pournajaf, Rome
Paolo Maria Rossini, Rome
Valter Santilli, Rome
Fabrizio Tagliavini, Milan
Fabrizio Vecchio, Rome

Loredana Zollo, Rome

SCIENTIFIC PROGRAM



Monday, 9th December 2019

9.00-11.00 | SESSION

Chairs: Marco Franceschini Paolo M. Rossini

9.00 Welcome address
Greetings from the authorities

9.30 Introduction:

Marco Franceschini

9.40 Brain plasticity: from synapses to connections Paolo Maria Rossini

10.00 Biology of functional recovery: the role of robotics

10.20 Robotic interventions for acute and chronic rehabilitation of gait
Alberto Esquenazi

10.45 End-effector and exoskeleton robots in neurological rehabilitation *Michela Goffredo*

11.00 DISCUSSION

11.20 BREAK

11.30-12.50 II SESSION

Chairs: Pietro Fiore Francesca Gimigliano

11.30 Robotics and research in Italy Maria Chiara Carrozza

11.50 Upper limb robotic assisted rehabilitation after stroke: review of the evidence Thierry Lejeune

12.10 Tailoring robotic treatment and assessment

Federico Posteraro

12.30 Robot Assisted Training for the upper limb after stroke and biomarkers to predict outcome Hermano Igo Krebs

12.50 DISCUSSION

13.00 BREAK

III SESSION - Lecture Chair: Francesca Gimigliano

14.00 ISPRM & Robotics: opinions and future challenges

Walter Frontera

14.30-15.40 IV SESSION
ITALIAN EXPERIENCES
ON ROBOTICS

Chairs: Dino Bramanti
Luca Padua

14.30 Upper limb robotic rehabilitation in subacute stroke patients.
 A multicenter study of Fondazione Don Carlo Gnocchi Irene Aprile

14.40 Italian rehabilitation multicenter studies: a critical view

Donatella Bonajuti

14.50 Innovative neurological multimodal approach to assess new clinical, predictive and prognostic markers: role of high-field MRI, genetic analysis and computer assisted rehabilitation

Dino Bramanti

15.00 Update in the treatment of patients with spinal cord injuries Giorgio Felzani

15.10 Clinical experience in robotic applications: Upgrading rehabilitation education and research

Alessandro Giustini

15.20 Robot-assisted treatments for neurorehabilitation: assessment metrics and integration among technologies

Stefano Mazzoleni

15.30 Upper-limb rehabilitation robotics and bionics: UCBM experience Federica Bressi Loredana Zollo

15.40 DISCUSSION AND CONCLUSIONS

Alberto Esquenazi

Franco Molteni

16.10 ROUNDTABLE
WHICH INNOVATIVE
TECHNOLOGIES ARE
THE FUTURE?

Moderators: Fabrizio Tagliavini Valter Santilli

Participants:

Maria Francesca De Pandis Sandro lannaccone Francesco Infarinato Maria Crocifissa Lanzilotti Thierry Lejeune Domenica Le Pera Sanaz Pournajaf Fabrizio Vecchio

Discussion and conclusions
Walter Frontera
Federico Posteraro

18.00 CME LEARNING VERIFICATION

