Progression independent of relapse

(PIRA) in MS

evento IBRIDO

Mestre (VENEZIA)

HOTEL NH VENEZIA LAGUNA PALACE
Viale Ancona, 2

6th and 7th
OCTOBER
2022

The concept of progression independent of relapse “PIRA” as a hallmark of the disease even in the earliest phase and during the disease-modifying treatment, is emerging in the last few years. It describes those patients that, even in the absence of classical clinical/radiological events, have an insidious disease activity which is unnoticed by the patient or physician in the early phase of the disease, whereas it becomes clinically relevant later on disease course. This could be mainly characterized by neurodegenerative mechanisms rather than inflammatory disease activity and its measure is fairly beyond the sensitivity of the conventional MRI. One of the expressions of such silent activity may be a surface-in gradient of cortical, thalamic and spinal cord grey matter damage, which is a primary key component of the demyelination and neurodegeneration processes and provides the best clinical correlate in terms of long term disability accumulation. A second emerging relevant sign of silent activity is represented by the “smouldering” lesions which have been neuropathologically and radiologically well described and which have been proposed as one of the major determinants of disability progression.

According to this evidence, the unique use of No Evidence of Disease Activity (NEDA) status (no relapses, no new T2 and/or Gd-enhancing lesions, no EDSS change) is not completely appropriate to identify patients at high risk of a severe clinical outcome. The main goal of this symposium will be to better elucidate the most relevant molecular and radiological biomarkers of silent disease activity with special focus on Neuropathological, Imaging and CSF data.

SCIENTIFIC **DIRECTOR**

Prof. **Massimiliano Calabrese,**
The Multiple Sclerosis Center of University Hospital of Verona

SCIENTIFIC **SECRETARIAT**

Damiano Marastoni,
Annalisa Colombi,
Valentina Camera,
Elisa Colato

È prevista una sessione dedicata ai giovani (età inferiore ai 35 anni) che vogliano presentare i loro dati in linea col tema del congresso.

Per partecipare è necessario inviare un abstract di massimo 500 parole a **massimiliano.calabrese@univr.it** includendo nome, cognome, numero di telefono

ENTRO IL 31 luglio 2022

SCIENTIFIC PROGRAM
Thursday 6 OCTOBER 2022

10:00 Registration of participants

10:30 Welcome and Introduction to the Meeting
M. Calabrese

10:40 **YOUNG SESSION**
Chairs: **Valentina Camera, Agnese Tamanti, Elisa Colato**

12:20 *Light Lunch*

I SESSION
Chairs: **Bruno Bonetti, Massimiliano Calabrese**

14:00 MS - time to abandon our current classification
Ludwig Kappos

14:30 Is MS a progressive disease from onset? PIRA in an Italian cohort of CIS and early RRMS patients
Maria Pia Amato

14:55 Profiling the Progressive MS patient responder to treatment
Maria Pia Sormani

15:20 *Coffee Break*

II SESSION
Chairs: **Luca Massacesi, Alberto Gajofatto**

16:00 Biomarker of PIRA/MRI
Massimiliano Calabrese

16:25 Immunophenotype and personalized therapy in MS
Luca Battistini

16:50 Synaptic plasticity and connection failure in the MS brain
Massimiliano Di Filippo

SCIENTIFIC PROGRAM
Friday 7 OCTOBER 2022

8:30 Opening

III SESSION
Chairs: **Claudio Gasperini, Francesco Crescenzo**

9:00 La RM del futuro per rendere la progressione un ricordo del passato
Massimo Filippi

9:30 Brain atrophy in MS: from research to clinical applications
Nicola De Stefano

9:55 New MRI markers of Progression
Rocca Maria Assunta

10:20 Smouldering MS: progression beyond focal inflammatory activity
Antonio Scalfari

10:45 *Coffee Break*

IV SESSION
Chairs: **Damiano Marastoni, Annalisa Colombi**

11:15 Extracellular vesicles in the inflamed brain
Roberto Furlan

11:40 Chronic active MS lesions: from neuropathology and MRI to clinical trials
Martina Absinta

12:05 Neuropathological basis of MS progression
Roberta Magliozzi

12.30 The role of iron rim lesions in disease progression in multiple sclerosis
Simon Hametner

12.55 Closing and remarks
Massimiliano Calabrese

13:15 Questionnaire ECM

100
ADDRESSEES

Medical Doctors
specializing in

neurology, neurosurgery, general medicine, radiology, geriatrics, internal medicine, psychiatry, physical medicine e rehabilitation.

Pharmacists, Speech Therapists, Nurses, Physiotherapists, Rehabilitation therapists, Psychologists-Psychotherapists, Radiological technicians, Neurophysiopathology technicians.

CREDITI ECM: 9

FACULTY

Martina Absinta - *Milano*
Maria Pia Amato - *Firenze*
Luca Battistini - *Roma*
Bruno Bonetti - *Verona*
Massimiliano Calabrese - *Verona*
Valentina Camera - *Verona*
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