

THE ECOSYSTEM OF EVIDENCE

Lessons learned in the pandemic era and future challenges

10th International Conference for EBHC Teachers and Developers 10th Conference of the International Society for EBHC Taoming, 25th - 29th October 2023

#EBHC2023



Perrine Janiaud for the

PRAGMATIC EVIDENCE LAB

RC2NB



- Universitätsspital Basel





SMSC Swiss MS Cohort

Background

- Substantial clinical heterogeneity
- Disease modifying therapies (DMTs) with diverse benefit-harm profiles
- Lack of universal general guidance on treatment adaptations



→ A more personalized approach to MS therapy is urgently needed to treat patients as little as possible but as much as necessary at the right time



 Personalized medicine in Multiple Sclerosis – pragmatic

 platform trial embedded within the Swiss MS Cohort

Aims



3

Methods



Swiss MS Cohort



Key data (as of 8/23):

- 1721 patients
- 13'287 visits (median FU 6.2 years)
- 95% of visits with biosamples
- 725 clinical relapses
- 7275 standardised brain MRI examinations

Methods



Results







Limitations



Challenges to consider:

- Routine care vs. usual SMSC care
- Consent / re-consent
- Minimal burden for patients and centers
- Optimization of data infrastructure
 - automatic screening
 - embedded randomization

Conclusion

MultiSCRIPT : Paradigmatic

- Pragmatic, patient-centered, and clearly focused on real-world decision making
- Randomized real-world evidence (real world data)
- Direct external control to assess applicability and external validity
- Systematic Patient & Stakeholder Involvement (Delphi)
- Adaptive platform the beginning of a long-term evolutionary learning system

Conclusion



MultiSCRIPT

Principal investigators:

Özgür Yaldizli – University Hospital Basel Lars G.Hemkens – University Hospital Basel Jens Kuhle – University Hospital Basel Anke Salmen – Inselspital Berne Chiara Zecca – Ente Ospedaliero Cantonale (EOC)

PROJECT PARTNERS:

Pascal Benkert – Clinical Trial Unit Basel Tobias Derfuss – University Hospital Basel Cristina Granziera – University Hospital Basel Perrine Janiaud – University Hospital Basel Ludwig Kappos – RC2NB David Leppert – University Hospital Basel Leila Rooshenas - QuinteT research group, Bristol, UK Sabine Schädelin – Clinical Trial Unit Basel Matthias Schwenkglenks - Medical Economics Unit Basel

Funding: Swiss National Foundation (IICT 2021, grant number 33IC30_205806 / 1)

Personalized medicine in Multiple Sclerosis – pragmatic platform trial embedded within the Swiss MS Cohort

SMSC CENTERS:

Kantonsspital Aarau

Lutz Achtnichts – Investigator Oliver Findling – Investigator Jacqueline Saxer – Study nurse

Neurocentro della Svizzera Italiana, Lugano

THANK YOU!

Claudio Gobbi – Investigator Giulio Disanto – Investigator Daniela Gianinazzi Dolci – Study nurse Mara Gola-Bricalli – Study nurse

Inselspital Berne

Robert Hoepner – Investigator Helly Hammer – Investigator Lea Weber – Study coordinator Besa Sylejmani – Study nurse

Kantonsspital St. Gallen

Stefanie Müller – Investigator Jochen Vehoff – Investigator Denis Uffer – Investigator Anja Boegner – Study coordinator Vjosa Iljazi – Study nurse

Kantonsspital



RC2NB

Clinical Neuroimmunology and Neuroscience Basel

CHUV Lausanne

Caroline Pot – Investigator Marie Theaudin – Investigator Pansy Lim Dubois Ferriere – Study nurse

HUG Geneva

Patrice Lalive – Investigator Claire Bridel – Investigator Didier Glauser – Study coordinator

Universitätsspital Basel

Johannes Lorscheider – Investigator Johanna Oechtering – Investigator Anne-Katrin Proebstel – Investigator Athina Papadopoulou – Investigator Annette Orleth – Study coordinator Lilian Demuth – Study nurse Limberg Marguerite – Study nurse Ulrich Gress – Study nurse Aleksandra Maleska-Maceski - sNfL lab Suvitha Subramaniam – Data management

Universitäts Spital Zürich

Patrick Roth – Investigator Marina Herwerth - Investigator Tamara Müller – Study coordinator



Universitätsspital Basel





INSELSPITAL UNIVERSITÄTSSPITAL BERN HÖPITAL UNIVERSITAIRE DE BERNE

