

MSCA on ECTRIMS 2021

7x presentations, 25 posters

PRESENTATIONS

Wednesday 13 October

Axel Petzold 12:25 (001)

**Hot Topic 1: Disease progression: how to define, how to monitor
OCT**

Thursday 14 October

Tommy Broeders 12:56 (051)

Scientific Session 5: IMSCOGS

Cognitively impaired MS patients become stuck in a state of high within-network connectivity

Marijn Huiskamp 15:12 (082)

Young Scientific Investigators' Session 1: Pathogenesis and natural history

Inhibitory synaptic loss and network dysfunction in MS: an ex vivo to in-silico translational study

Charlotte Teunissen 15:20 (086)

Scientific Session 10: Body-fluid biomarkers

Emerging biomarkers

Friday 15 October

Ka Hoo Lam 12:56 (124)

Scientific Session 12: Patients' perspectives

Smartphone monitoring of cognition and walking function in multiple sclerosis

Hanneke Hulst 17:04 (188)

Scientific Session 18: Late Breaking News

[11C]flumazenil positron emission tomography in multiple sclerosis: model validation and clinical applicability in cognitive impairment

Bernard Uitdehaag 18:55

Plenary Session 2 : Awards, ECTRIMS Honorary Members, Charcot Lecture and ECTRIMS 2021 Highlights

Welcome to Amsterdam for ECTRIMS 2022

POSTERS

eP39 Symptoms Management (including cognition, fatigue, imbalance)

Frederik Barkhof (P883)

Relationships between Brain Volume and disability, cognition, motor function, and MS-fatigue in RMS: MS-fatigue and ambulation move at their own pace

eP15 Neuro-ophthalmology

Jenny Nij Bijvank (P282)

Are eye movements and brain networks connected in multiple sclerosis?

Jenny Nij Bijvank (P286)

Longitudinal changes of the inner nuclear layer in multiple sclerosis: a marker for burn out of retinal inflammation?

Sam Hof (P287)

Prevalence of internuclear ophthalmoplegia in a population based cohort of patients with multiple sclerosis

eP41 Others

Alyssa Toorop (P895)

The wearing-off phenomenon of ocrelizumab in patients with multiple sclerosis

eP34 Risk management for disease modifying treatments

Zoé van Lierop (P757)

Personalized B-cell tailored dosing of ocrelizumab in patients with multiple sclerosis during the COVID-19 pandemic

Poster Tour 8 - Therapies, Thursday 14 October 18:00 - 18:45

eP31 Immunomodulation/Immunosuppression

Alyssa Toorop (P662)

Personalized extended interval dosing of natalizumab in relapsing remitting multiple sclerosis - a prospective multicenter trial in The Netherlands

eP29 - Fluid Biomarkers

Floor Loonstra (P573)

Serum neurofilament light as a biomarker of disability and neurodegeneration in MS patients of the same age

eP17 Digital health and global networks

Ka Hoo Lam (P302)

Passively acquired smartphone keystroke dynamics are associated with clinical outcomes in multiple sclerosis: a longitudinal analysis

Ka Hoo Lam (P307)

Passively collected smartphone-based keystroke dynamics could classify disease severity within MS based on a machine learning approach

eP27 MRI & PET

Stefanos Prouskas (P406)

Decreased functional dynamics of thalamocortical states in cognitively impaired multiple sclerosis patients

Piet Bouman (P425)

Histopathological validation of artificial double inversion recovery images for MR cortical lesion detection

Rozemarijn Mattiesing (P430)

Development and Interrelation of Whole-Brain Atrophy and Lesion Volume During 5 Years' Treatment With Subcutaneous Interferon Beta-1a in Patients With a First Clinical Demyelinating Event in the REFLEX/ION Study

Maureen van dam (P434)

Decoupling of structural and functional connectivity towards progressive MS is related to cognitive impairment but not disability

Marijn Huiskamp (P462)

Thalamic glutamate concentrations relate to cognitive functioning in multiple sclerosis

Reinier de Ruiter (P466)

Neuroinflammation and neurodegeneration in MS at age 53: Descriptions from a birth cohort.

Piet Bouman (P470)

Cognitive phenotypes and their associated MRI patterns

Merlin Weeda (P472)

NODDI enables detection of subtle WM changes that lead to thalamic atrophy in subjects with RRMS

Hugo Vrenken (P487)

MS-specific deep learning segmentation of deep gray matter

Marika van Lingen (P488)

The effect of dimethyl fumarate on white matter integrity and cognitive functioning 6-18 months after initiation of treatment in patients with relapsing-remitting multiple sclerosis.

Samantha Nooteboom (P509)

The clinical relevance of whole brain atrophy patterns in patients with longstanding multiple sclerosis

Menno Schoonheim (P511)

Structure-function coupling of long-range connections in the theta band relates to cognitive impairment in multiple sclerosis

Ingrid Anne Lie (P517)

The effect of gadolinium-based contrast-agents on automated atrophy measurements by FreeSurfer in patients with multiple sclerosis

eP04 Neuropsychology

Maureen van dam (P070)

The role of serum biomarkers in predicting cognitive status in people with multiple sclerosis

Maureen van Dam (P084)

Cognitive functioning in everyday life: The development of a questionnaire on instrumental activities of daily living in multiple sclerosis