



European network for
best practice and research



22nd Annual RIMS Conference

Shaping the Future
of MS Rehabilitation

4-6 May 2017
Barcelona

www.rims2017-barcelona.com

in partnership with **Cemcat** 
Centre d'Esclerosi Múltiple de Catalunya

Thursday 04/05/2017

11.30-15.30

Teaching Course: Optimizing dysphagia management in MS CEMCAT

OPTIMIZING DYSPHAGIA MANAGEMENT IN MS

11.30 - 11.40 Welcome and workshop introduction – Dr. I. Galán

11.40 - 12.00 Dysphagia in MS – speaker TBC

12.00 - 12.20 Clinical & Instrumental diagnosis of dysphagia – Dr. P. Clavé

12.20 - 12.40 Therapeutic approach to dysphagia - Dr. H. Bascuñana

12.40 - 13.00 Group discussion - Chair: Dr. I. Galán

13.00 - 13.30 LUNCH

13.30 - 14.00 Visit to Cemcat

14.00 - 15.30 Parallel Workshops

14.00 - 14.45 WORKSHOPS

WORKSHOP A: DYSPHAGIA MANAGEMENT VIA TELEPRACTICE IN MS

Teaching Course: Clinical application of 3D gait analysis in MS GUTTMANN

Speakers:

Dr. Bertram Müller (Clinical Scientist)

Dr. Josep Medina (Head of Functional
Rehabilitation Area)

Sra. Cristina Martin (Physiotherapist)

Schedule:

11:30 -11:45 Welcome and
Introduction to Guttmann Institute

(aula)

11:45 - 12:05 Introduction of Clinical

Technology (aula)

12:15 - 13:00 Hands on Technology
(lab) - Presentation of measuring

Systems and their methods

Teaching Course: What do we know about neuropsychological rehabilitation in MS?

ALIMARA Llavorsi ("B")

11:30 - 12:30 Aims an
approaches of
neuropsychological
rehabilitation in MS -
presentation and discussion -
Paivi Hämäläinen

12:30 - 13:30 How does
neuropsychological
rehabilitation act on neural

Industry Sponsored MS Nurse Teaching Course

ALIMARA Sitges ("D")

Session title and
agenda can be found on
the dedicated page for
Industry Sponsored
Teaching Courses

Dr. H. Bascuñana & Ms. Marta Renom
 WORKSHOP B: ELECTROSTIMULATION FOR DYSPHAGIA IN MS
 Dr. Rosa Terré & Ms B. González Rocamora

14.45 - 15.30 WORKSHOPS
 WORKSHOP A: DYSPHAGIA MANAGEMENT VIA TELEPRACTICE IN MS
 Dr. H. Bascuñana & Ms. Marta Renom
 WORKSHOP B: ELECTROSTIMULATION FOR DYSPHAGIA IN MS
 Dr. Rosa Terré & Ms B. González Rocamora

13:00 -14:00 Lunch
 14:00 -14:30 Visit Functional Rehab
 Area
 14:40 - 15:30 Clinical Analysis (aula)

level - Iris Penner
 13:30 - 14:30 Lunch
 14:30 - 15:30 Future of
 neuropsychological
 rehabilitation in research and
 clinical practice - discussion
 and short presentations from
 the participants

15:30 - 16:00

Transfer to the conference venue
 Bus Transport

16:00 - 19:00

<p>SIG Patient Autonomy: Empowering persons with MS: from information to coping initiatives ALIMARA Rupit ("D1")</p>	<p>SIG Communication & Swallowing: Dysarthria in MS: What is already known? ALIMARA Favencia ("H")</p>	<p>SIG Bladder, Bowel & Sexuality: Recommendations to manage bowel and sexual dysfunction In MS ALIMARA Julia ("I")</p>	<p>SIG Occupation: Shaping the future of MS rehabilitation through Occupational therapy ALIMARA Montblanc ("D2")</p>	<p>SIG Mobility: Balance: pitfalls and opportunities ALIMARA Llavorsi ("B")</p>	<p>SIG Psychology & Neuropsychology: Sexual dysfunction in MS and its impact on patient's life - how to speak about - how to measure - how to treat ALIMARA Augusta ("J")</p>
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Agenda:
 Presentation of SIG recommendations
 for bowel management in pwMS -final
 version

16.00 WELCOME
 CHAIRS: Sofie Ferdinand, Jelka Jansa
 16.10 DAPHNE KOS: Opportunities and
 challenges in current and future OT
 practice

Presentation SIG agenda for the next
 two years:

16.40 PETRA WAGAN: Domestic work
 division and satisfaction in cohabiting

- Questionnaire about management of sexual dysfunction in Rehab Centers for PwMS
- In-between meeting with SIG Psychology and Neuropsychology about sexual dysfunction
- Recommendations for sexual management in PwMS

adults: Associations with life satisfaction and self-rated health".

17.00 HEIDI VISBY JACOBSEN: Changing paradigms in Occupational Therapy in Denmark

17.20 DISCUSSION

17.30 BREAK

17.45: MARIJKE DUPOORTAIL & SOFIE FERDINAND: Occupational Therapy for PwMS in European Centres (from 1994 to 2001) and our future challenges.

18.05: JELKA JANSA: Occupational Therapy Practice Models for PwMS

18.20: DISCUSSION

18.50: CONCLUSIONS

19:45 - 20:45

Welcome cocktail

ALIMARA Foyer and Garden

Speaker(s): Peter Feys, Prof Dr, Biomedisch Onderzoeksinstituut (BIOMED)

Friday 05/05/2017

09:00 - 10:45

Session Chairs

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Peter Feys, Prof Dr, Biomedisch Onderzoeksinstituut (BIOMED)

Jaume Sastre-Garriga, Prof, MS Centre of Catalonia (Cemcat)

09:00 - 09:15

WELCOME

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Speaker(s): Peter Feys, Prof Dr, Biomedisch Onderzoeksinstituut (BIOMED)

Speaker(s): Jaume Sastre-Garriga, Prof, MS Centre of Catalonia (Cemcat)

09:15 - 10:00

OPENING LECTURE: MS: a 30 Years' Tale

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Speaker(s): Xavier Montalban, Prof

10:00 - 10:45

KEY NOTE 1: The Rehabilitation Treatment Taxonomy Framework

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Marcel Dijkers, Dr, Icahn School of Medicine at Mount Sinai, NY; Wayne State University School of Medicine, Detroit

10:45 - 11:15

Coffee Break

ALIMARA Foyer, Cadaques, Llavorsi and Llivia (Posters, Exhibition & F&B - "Foyer, A, B, C")

11:15 - 12:45

BREAK-OUT 2: Innovative Outcome Measures

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Chair(s): Alessandra Solari, Dr, Istituto Neurologico Carlo Besta

Chair(s): Lluís Ramió-Torrenta, University of Girona, Hospital University Josep Trueta

Speaker(s): Giampaolo Brichetto, Dr, Italian MS Society Foundation

Speaker(s): Christian Enzinger, Prof Dr, Medical University of Graz

Lectures:

BREAK-OUT 1: Empowerment and Social Participation

ALIMARA Sitges (BREAK OUT - "D")

Chair(s): Daphne Kos, Dr, KU Leuven

Chair(s): Päivi Hämäläinen, Prof, Finnish Neurosociety / Masku Neurological Rehabilitation Centre

Speaker(s): Paola Mosconi, Dr, IRCCS Mario Negri Institute

Speaker(s): Petra Wagman, Dr, Jönköping University, School of Health and Welfare

- Giampaolo Brichetto: 'Predicting MS with Patient Centred Outcomes (PCOs): a machine learning approach'
- Christian Enzinger: 'fMRI to monitor RHB interventions'

Lectures:

Oral Presentations (8 min):

- Federica Corona: "Kinematic analysis of "hand-to-mouth" task in people with Multiple Sclerosis"
- Leena Maria Heikkola: Cognitive fatigue and language in MS – Quantitative and qualitative analysis of semispontaneous oral narratives
- (CANCELLED) Oiane Rilo: Maintenance of the default mode network functional connectivity through an integrative group-based cognitive rehabilitation in multiple sclerosis
- Morten Riemenschneider: Muscle fatigability in persons with multiple sclerosis – preliminary data.

- Paola Mosconi: 'Empowering through information'
- Petra Wagman: 'Balance in Life'

Oral presentations (8min)

- Jana Pöttgen: Sexual dysfunctions in people with MS in relation to neuropsychiatric aspects and its psychological treatment: A scoping review
- Anne Christin Rahn: Audio-visual patient information materials on key study statistics for people with multiple sclerosis: results from a web-based randomised controlled trial and a qualitative pilot study
- Cathy Bulley: Scoping the Needs of Families and Carers of people living with Multiple Sclerosis (the SNOFLAC-MS study) : A Rapid Realist Review and Evaluation
- Astrid Karnøe Knudsen: Four themes to address when designing eHealth solutions for people with MS

12:45 - 14:00

Lunch & Poster Viewing

ALIMARA Foyer, Cadaques, Llavorsi and Llivia (Posters, Exhibition & F&B - "Foyer, A, B, C")

14:00 - 14:30

Special Reports on RIMS Projects

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Speaker(s): Daphne Kos, Dr, KU Leuven

Speaker(s): Alessandra Solari, Dr, Istituto Neurologico Carlo Besta

Lectures:

- Daphne Kos: E-Education: MSNurse Pro - Rehabilitation Module
- Alessandra Solari: Guideline on Palliative Care

14:30 - 15:15

Industry Sponsored Symposium

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

See the Satellite Symposium tab on the website-Programme for more details on the program (topic, speakers, ...)

15:15 - 16:45

Free Communications 1 (Platform Presentations and Q&A)

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Chair(s): Jenny Freeman, Dr, University of Plymouth

Chair(s): Jelka Jansa, University Medical Centre Ljubljana

Oral presentations (8 min)

- Massimiliano Pau: Are static and dynamic balance abilities correlated in people with Multiple Sclerosis?
- Jacob Callesen: Reliability of the Six Spot Step Test
- Ilse Lamers: Responsiveness of upper limb outcome measures in people with multiple sclerosis: an European RIMS multi-center study.
- Davide Cattaneo: Disease-specific functional disorders and falls: comparisons between Multiple Sclerosis, Parkinson Disease and Stroke.
- Susan Coote: A preliminary investigation of sleep, symptoms and physical activity in inactive people with MS.
- Micaela Porta: Hourly trends of physical activity in people with Multiple Sclerosis
- Giuseppina Pilloni: Evaluation of Stroop color word test as cognitive task to investigate cognitive motor interference during walking in Multiple Sclerosis
- Nov Shalmoni: Spatio-temporal parameters of gait in teenagers with multiple sclerosis
- Asiye Tuba Ozdogar: Restless legs syndrome and related factors in persons with multiple sclerosis

Free Communications 2 (Platform Presentations and Q&A)

ALIMARA Sitges (BREAK OUT - "D")

Chair(s): Anders Romberg, Dr, Masku Neurological Rehabilitation Centre

Chair(s): Jana Pöttgen, Dr, University of Medical Center, Hamburg

Eppendorf

Oral Presentations (8 min)

- Blathin Casey: Objective Physical Activity Levels in People with Multiple Sclerosis: A Meta-Analysis.
- Fanny Van Geel: Fatigue and motor fatigability in persons with multiple sclerosis: relation between different upper limb muscles, and with use of the arm in daily life
- Linda Renfrew: The impact of FES on gait speed in MS: a systematic review and meta-analysis
- Ludovico Pedullà: Developing an integrated core set for the evaluation of handwriting movement in people with multiple sclerosis
- Gesa Elena Pust: Influence of emotional distress factors on the severity of fatigue symptoms in patients with multiple sclerosis after induction of fatigue
- Adnan Heric-Mansrud: Cross-sectional study of pain and symptom clusters in MS
- Laura Comber: Medications and falls in Multiple Sclerosis
- Maxime Valet: Simplified protocols and indices of aerobic capacity among patients suffering from multiple sclerosis with mild neurological disability
- Yonca Zenginler: Comparison of the Effects of Two Different Balance Systems on the Balance, Functionality and Fatigue of Multiple Sclerosis Patients

16:45 - 17:30

Coffee Break & Poster Viewing

ALIMARA Foyer, Cadaques, Llavorsi and Llivia (Posters, Exhibition & F&B - "Foyer, A, B, C")

17:30 - 18:15

EXCEMED Satellite Symposium

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Gaining empowerment by reducing MS burden and costs

18:15 - 19:15

RIMS General Assembly

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

20:00 - 22:00

RIMS Networking Dinner (not included in Conference Registration)

Restaurant: Can Travi Nou

Saturday 06/05/2017

09:00 - 10:45

Session Chairs

No location

Chair(s): Päivi Hämäläinen, Prof, Finnish Neurosociety / Masku Neurological Rehabilitation Centre

Chair(s): Christoph Heesen, Prof Dr, Universitätsklinikum Hamburg-Eppendorf

09:00 - 09:15

WELCOME

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

09:15 - 10:00

KEY NOTE 2: Cognitive Reserve in MS

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

James F. Sumowski, Prof

10:00 - 10:45

KEY NOTE 3: Neurobiology of Rehabilitation Interventions: the Stroke Case

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Nick Ward, Dr

10:45 - 11:15

Coffee Break

ALIMARA Foyer, Cadaques, Llavorsi and Llivia (Posters, Exhibition & F&B - "Foyer, A, B, C")

11:15 - 12:45

BREAK-OUT 3: Innovative Rehabilitation Approaches

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Chair(s): Peter Feys, Prof Dr, Biomedisch Onderzoeksinstituut (BIOMED)

Chair(s): Vincent De Groot, Prof Dr, VUmc Amsterdam

Speaker(s): Jan Mehrholz, Prof Dr, Klinik Bavaria Kreischa

Speaker(s): Birthe Dinesen, Dr, Aalborg University

Lectures:

- Jan Mehrholz: 'Innovative RHB approaches in stroke'
- Birthe Dinesen: 'Personalized telehealth in chronic diseases'

Oral Presentations (8min):

- Alessandra Solari: Randomized controlled trial of a home-based palliative approach for people with severe multiple sclerosis
- Susan Coote: Effect of a 10-week MS exercise programme on muscle strength and aerobic capacity in inactive people with MS
- Jens Bansi: High intensity endurance exercise increases cognitive functions and reduces peripheral matrix metalloproteinase - 2 levels in persons with MS - A randomized controlled trial

BREAK-OUT 4: Employment

ALIMARA Sitges (BREAK OUT - "D")

Chair(s): Ulrik Dalgas, Aarhus University

Chair(s): Raul Pelayo, Dr, Guttmann Institute

Speaker(s): Pedro Carrascal, Multiple Sclerosis Spain

Speaker(s): Diane Playford, Dr, UCL London

Lectures:

- Pedro Carrascal: 'Global MS Employment Report 2016'
- Diane Playford: 'Vocational Rehabilitation'

Oral Presentations (8min):

- Dennis van Gorp: The value of work- correlates of sustained employability in workers with Multiple Sclerosis (MS)
- Claudia Marck: Change in employment status and associations with quality of life: a longitudinal international study of people with MS

- Elaine Coulter: Web-based physiotherapy for people moderately affected by Multiple Sclerosis: a feasibility multi-centre study

- Turhan Kahraman: The Multiple Sclerosis Work Difficulties Questionnaire: Translation and cross-cultural adaptation into Turkish and assessment of validity and reliability
- Ambra Mara Giovannetti: Characteristics of PwMS depending on the level of working difficulties: a cross sectional study using the MSQ-Job questionnaire

12:45 - 13:30

Poster Express 1

ALIMARA Gran Salo Mediterranea (Plenary Room - "E+F+G")

Chair(s): Peter Feys, Prof Dr, Biomedisch Onderzoeksinstituut (BIOMED)

Chair(s): Vincent De Groot, Prof Dr, VUmc Amsterdam

Oral Presentations (2min):

- Claudia Marck: Adherence and health outcomes after a multimodal lifestyle educational intervention in people with multiple sclerosis: three year follow-up
- Silvia Erika Kober: Train Your Brain: Neurofeedback for Cognitive Rehabilitation in Multiple Sclerosis
- Minna Salakari: Web-based self-care support for MS patients and their significant others
- Karin Riemann-Lorenz: Barriers and facilitators of long-term adherence to physical activity in MS – an international interview and survey study
- Rachel Dennett: Participants' Experience of a Web-based Physiotherapy Programme for people with Multiple Sclerosis (MS): Does it impact physical activity levels?
- Britt Normann: Effects of 6 weeks GroupCoreDIST compared to standard care on balance and walking in ambulant people with multiple sclerosis: A single blinded Randomised Controlled Trial
- Andrea Tacchino: The effect of yoga in people with Multiple Sclerosis
- Laura Bonzano: Is there a center for cognitive reserve in multiple sclerosis? The role of the right BA40 in cognitive performance
- Valeria Studer: Effects of an intensive, multidisciplinary inpatient rehabilitation program in subjects with multiple sclerosis with

Poster Express 2

ALIMARA Sitges (BREAK OUT - "D")

Chair(s): Ulrik Dalgas, Aarhus University

Chair(s): Raul Pelayo, Dr, Guttman Institute

Oral Presentations (2min):

- Marie Ernst Christensen: Is there a relationship between MS-related fatigue and dietary intake - a systematic review.
- Rachel Dennett: Effectiveness and User Experience of Web-based Interventions for Increasing Physical Activity in People with Multiple Sclerosis: A Comprehensive Systematic Review
- Kamila Rasova: The effectiveness of Functional Electrical Stimulation on balance and gait in people with Multiple Sclerosis
- Jeanette Richwood: A modified version of the UK group-based fatigue management programme FACETS for an inpatient setting in Norway
- Kamila Rasova: Functional motor disorders: diagnostic and treatment options for patients with Multiple Sclerosis
- Yonca Zenginler: Evaluation of Oropharyngeal Dysphagia in Patients With Multiple Sclerosis
- Turhan Kahraman: The presence of musculoskeletal pain and its distribution among the body regions in persons with multiple sclerosis: a preliminary study
- Minna Salakari: Neurological nurses in need of modern tools for patient education and empowerment - Creating a nationwide web-based MS-Station
- Ingrid Galan: Singing in a choir in the Multiple Sclerosis Center of Catalonia (Cemcat): its value as a rehabilitation tool

- different levels of disability: preliminary data
- Asiye Tuba Ozdogar: Effects of a 6-month yoga program on physical and psychosocial status in persons with multiple sclerosis
- Asiye Tuba Ozdogar: The immediate effects of a patient education meeting on health locus of control of persons with multiple sclerosis and their family members
- Ambra Bisio: How do people with MS deal with changing directions during walking? A novel approach to evaluate gait disabilities in MS
- Denise Anastasi: Assessing dynamic stability in People with Multiple Sclerosis: development of new instrumented indexes
- Andrea Giordano: Prospective validation of a short version of MSQOL-54 (MSQOL-29): Preliminary findings

- Maarit Karhula: Quality of life and symptoms of multiple sclerosis predict participation and autonomy in persons with multiple sclerosis
- Chris Heesen: Understanding MRI imaging in MS (UMIMS) – development of a web-based education tool
- Andrea Giordano: Managing the transition to secondary progressive multiple sclerosis: a scoping review
- Dennis van Gorp: Personality differences in employed and unemployed patients with Multiple Sclerosis (MS)

13:30 - 14:30

Lunch & Poster Viewing

ALIMARA Foyer, Cadaques, Llavorsi and Llivia (Posters, Exhibition & F&B - "Foyer, A, B, C")

14:30 - 15:15

Free Communications 3 (Platform Presentations and Q&A)

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Chair(s): Piet Eelen, NMSC Melsbroek

Chair(s): Ingrid Galán, MS Centre of Catalonia (Cemcat)

Free Communications 4 (Platform Presentations and Q&A)

ALIMARA Sitges (BREAK OUT - "D")

Chair(s): Diane Playford, Dr, UCL London

Chair(s): Leonie Ruhaak, Nieuw Unicum, The Netherlands

Oral Presentations (8min):

- Massimiliano Pau: Smoothness of gait, but not spatio-temporal parameters, are altered in early stages of Multiple Sclerosis
- Ambra Mara Giovannetti: MS diagnosis: quality of life and adjustment
- Turhan Kahraman: Balance related explanatory factors of the six-minute walk test in persons with multiple sclerosis
- Anders Gulddammer Skjerbæk: Substantial discrepancy between patient reported and actual walking distance in persons with multiple sclerosis – A part of the Danish MS Hospitals Rehabilitation Study

Oral Presentations (8min):

- Gillian Quinn: Frequency and Consequences of Falls in MS
- Giancarlo Coghe: Impact of brain atrophy on walking in multiple sclerosis patients with low disability: a dual task study.
- Giampiero Merati: Post-exercise heart rate recovery and variability in patients with multiple sclerosis.
- Astero Constantinou: Factors associated with dysphagia in MS: A prediction model to assist in identification of people at risk

15:15 - 16:00

RIMS HONORARY LECTURE: "A 30 Years' Perspective on MS Rehabilitation"

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Chair(s): Peter Feys, Prof Dr, Biomedisch Onderzoeksinstituut (BIOMED)

Speaker(s): Jürg Kesselring, Prof Dr, Rehabilitation Centre Valens Switzerland

16:00 - 16:45

Awards, President Address, Presentation of Next Conference

ALIMARA Gran Salo Mediterrania (Plenary Room - "E+F+G")

Peter Feys, Prof Dr, Biomedisch Onderzoeksinstituut (BIOMED)