



University for the Common Good



# 14th Congress of the European Forum for Research in Rehabilitation (EFRR)



**Glasgow Caledonian University**  
Glasgow, Scotland, UK  
24 - 27 May 2017



**EFRR 2017 Pocket Guide**



# EFRR 2017 Pocket Guide

Wednesday 24<sup>th</sup> May 2017

**9:00 Registration opens**  
Hamish Wood Building, GCU, Main entrance

**9:00 -14:00 Poster presentation set- up**  
Saltire Centre

**13:30 - 14:00 Welcome Tea/Coffee**  
Saltire Centre

## **14:00 – 17:00 Parallel Workshops**

Room W118 **Workshop 1: Chronic pain syndromes: how to manage?**

Prof. Gülseren Akyüz and Dr. Esra Giray (Marmara University School of Medicine, Istanbul, Turkey). *Please note: this workshop is limited to 40 participants.*

Room W110 **Workshop 2: What matters most in rehabilitation research? Priority setting partnerships**

Dr. Alex Pollock and colleagues (Glasgow Caledonian University, UK)

Room W011\* **Workshop 3: Implementing evidence-based practice: current challenges**

Prof. Marion Walker and Dr. Rebecca Fisher (Nottingham University, UK)

**15:15-15:55 Afternoon Break, Poster, Exhibition, Tea/Coffee**

**15:55 - 17:00 Parallel Workshops continue**

**17:00 -18:30 Social event: Welcome reception at Glasgow Caledonian University**  
Saltire Centre (all delegates welcome)

\* W011 is the Main Conference Hall in the Hamish Wood Building

## 7:30 - 8:30 Registration Opens

Hamish Wood Building, GCU, Main entrance

## 8:30 – 9:15 Welcome to EFRR 2017

Room: W011\*

Welcome: Prof. Frederike van Wijck (UK)

Changing Perspectives in Rehabilitation: Dr. John Hunter OBE (UK)

The role of the EFRR in the field of rehabilitation in Europe: Prof. Aarne Ylinen (Finland)

## 9:20 - 10:20 Parallel Session 1.1 - Mental Health and Psychometrics

Room: W118

- 09:20 Brain Injury Sense of Self Scale: Psychometric development of a new measure of strength of self-identity after traumatic brain injury. Dr. Emily J Thomas (UK) [138]
- 09:40 The measurement of confidence: The development and psychometric evaluation of a stroke specific measure of confidence. Dr. Jane Horne (UK) [89]
- 10:00 A randomised controlled trial to test the feasibility of evaluating the Regaining Confidence After Stroke programme. Mrs Kate Hooban (UK) [57]

## 9:20 -10:20 Parallel Session 1.2 - Physical Rehabilitation & Exercise (1)

Room: W011\*

- 9:20 Exercise motivation in patients with inflammatory rheumatic diseases after inpatient rehabilitation: stages of change, benefits, barriers, and sports activity. Dr. Kerstin Mattukat (Germany) [157]
- 9:40 Barriers and Solutions to Participation in Exercise for People with Multiple Sclerosis (MS). Dr. Fiona Moffat (UK) [172]
- 10:00 Implementing evidence-based constraint induced movement therapy into practice: a mixed methods study. Dr. Kathryn Jarvis (UK)[131]

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**9:20 -10:20 Parallel Session 1.3 - Rehabilitation Models**

Room: W110

- 09:20 From lab to clinic: Towards a virtual reality platform for routine clinical rehabilitation. Dr. Lindsay Millar (UK) [163]
- 09:35 Understanding the delivery of hospital-based stroke rehabilitation; patient and therapist activity patterns across four rehabilitation units in England. Dr. Niki Chouliara (UK) [119]
- 09:50 A UK wide online survey of physiotherapy and occupational therapy practice for the management of hemiplegic shoulder pain. Dr. Praveen Kumar (UK) [103]
- 10:05 Working across international boundaries: challenges and opportunities in translating the holistic neuropsychological rehabilitation model from English to Turkish. Dr. Andrew Bateman (UK) [168]

**10:20-11:00 Coffee/Tea, Exhibition, Posters**

**11:00-12:15 Parallel Session 2.1 - Cognition and Cognitive Rehabilitation**

Room: W118

- 11:00 A new screening method for detecting problems in mental health and learning. Dr. Erja Poutiainen (Finland) [122]
- 11:15 Development of a complex activity and independence promotion intervention for people with Mild Cognitive Impairment (MCI) and dementia: Physiotherapy component. Ms Vicky Booth (UK) [169]
- 11:30 Present barriers, emergent and future needs in digital society - From the perspective of People with Disabilities and the Elderly. Dr. Anne Kärki (Finland) [181]
- 11:45** Rigorous reporting of stepped wedge cluster randomised controlled trials (SW-CRCTs): development of a flow diagram template. Dr. Heather Gray (UK) [Methodology session, 231]

**11:00-12:15 Parallel Session 2.2 - Physical Rehabilitation & Exercise (2)**

Room: W011\*

- 11:00 Chronic stroke survivors' lower limb function improves with an indoor cycling exercise programme delivered by local council leisure services. Dr. Andy Kerr (UK) [37]
- 11:15 Robot assisted symmetry training in a stroke patient. Dr. Andrej Olenšek (Slovenia) [167]
- 11:30 Can real-time feedback in virtual reality improve gait in children with cerebral palsy? Mr Adam Booth (The Netherlands) [133]
- 11:45 Can virtual and augmented reality decrease phantom limb pain and improve activities and participation? Prof. Helena Burger (Slovenia) [150]
- 12:00 'Talking about walking' with people who have had a stroke – what aspects of walking are valued? Dr. Ingrid Wilkinson Hart (UK) [191]

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Thursday 25<sup>th</sup> 2017

**11:00-12:15 Parallel Session 2.3 - Access to Services & Decision Making**

Room: W110

- 11:00 Inequities in access to inpatient rehabilitation after stroke: an international scoping review. Dr. Elizabeth Lynch (Australia) [76]
- 11:15 Decision-making governing the provision of rehabilitation for people with severe disabilities after stroke. Ms Sushmita Mohapatra (UK) [104]
- 11:30 Equipment provision after stroke: Controversies in clinical reasoning. Dr. Pauline Boland (Ireland) [1]
- 11:45 What factors inform therapists' decision-making? Selected findings from an ethnographic case-study series in eight English stroke units (ReACT). Dr. David J. Clarke (UK) [127]
- 12:00 Socio-economic assessment of personal exoskeleton systems. Dr. Sandro-Michael Heining (Switzerland) [199]

**12:15-13:45 Lunch, Posters, Exhibition**

**Society for Research in Rehabilitation (SRR) Annual General Meeting**

**13:45 – 14:30 Plenary 1**

Room: W011\* **SRR Philip Nichols lecture: Evidence-based rehabilitation: are there any lessons from stroke research?** Prof. Peter Langhorne (UK)

**14:35-15:35 Parallel Session 3.1 – Education**

Room: W118

- 14:35 Evidence-based health education in asthma: impact on asthma knowledge and asthma control up to one year. Prof. Eva Maria Bitzer (Germany) [71]
- 14:55 Evaluation of a video-based online intervention to enhance patients treatment expectations for inpatient psychosomatic rehabilitation – results of a randomized controlled trial. Dr. Rüdiger Zwerenz (Germany) [46]
- 15:15 Effects of generic self-management modules in inpatient medical rehabilitation in Germany. Prof. Dr. Hermann Faller (Germany) [2]

**14:35-15:35 Parallel session 3.2 - Physical Rehabilitation & Exercise (3)**

Room: W011\*

- 14:35 Characterisation of a smartphone and sensor-based system for monitoring shoulder range of motion during daily activities. Ms Sara Cameron (UK) [184]
- 14:50 Accelerometer-determined levels of physical activity and sedentary behaviour in older care home residents. Ms Jennifer Airlie (UK) [86]
- 15:05 The WATER study: Identifying muscle activation, pain and exertion for low back pain sufferers when performing rehabilitative exercises in the water and land. Dr. Konstantinos Kaliarntas (UK) [193]
- 15:20 Quantification of spinal configuration and postural capacity for evaluation of different muscle strengthening programs in the therapy of back pain. Prof. Stefan Dalichau (Germany) [217]

Thursday 25<sup>th</sup> 2017

**14:35-15:35 Parallel Session 3.3 - Implementation & Service Improvement**

Room: W110

- 14:35 Implementing patient-centred assessment of rehabilitation needs after stroke in Australia. Dr. Elizabeth Lynch (Australia) [74]
- 14:50 Barriers and facilitators to the implementation of evidence-based complex health interventions for adults with long term neurological conditions (LTNC): A systematic review. Mrs Jain Holmes (UK) [55]
- 15:05 Why do some in-patient stroke survivors not receive the recommended frequency and intensity of therapy? Dr. David Clarke (UK) [79]
- 15:20 Mechanisms that matter: Multidisciplinary team delivery of evidence based stroke rehabilitation. Dr. Rebecca J Fisher (UK) [88]

**15:35-16:15 Coffee/Tea, Exhibition, Posters**

**16:15-17:00 Plenary 2**

Room: W011\* **Global Developments in Rehabilitation Research**

Prof. Gülseren Akyüz (Turkey)

**18:30-23:00 Social Event at Glasgow City Chambers**

18:30 Civic Reception – All welcome

19:30 Conference dinner and ceilidh – Ticketed event



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**8:00-9:15 Registration Open and Poster Set-up**

**8:30-9:15 Plenary 3**

Room: W011\* **Language and Effective Co-design Relationships**  
Mrs. Kate Allatt (UK)

**9:20-10:20 Parallel Session 4.1 - Standardisation and Guidelines**

Room: W011\*

- 09:20 The development of a Stroke in Childhood guideline using an evidence based collaborative approach. Dr. Lorna Wales (UK) [120]
- 09:50 Development of the International Classification of Functioning, Disability and Health (ICF) Core Set for patients with Major Traumatic Injuries. Dr. Karen Hoffman (UK) [144]

**9:20-10:20 Parallel Session 4.2 - Physical Rehabilitation & Exercise (4)**

Room: W118

- 09:20 Early electrical stimulation to prevent complications in the arm post-stroke (ESCAPS): Results of a feasibility randomized controlled trial. Dr. Joanna Fletcher-Smith (UK) [Methodology session, 139]
- 09:35 Barriers and facilitators to applying early electrical stimulation to the stroke-affected arm: Qualitative findings from the ESCAPS study. Dr. Joanna Fletcher-Smith (UK) [Methodology session, 143]
- 09:50 The Trail Making Test; A predictor of falls in the acute neurological in-patient population. Mr Bilal Mateen (UK) [27]
- 10:05 Fear of falling and participation following the use of functional electrical stimulation for foot drop in people with Multiple Sclerosis. Dr. Tamsyn Street (UK) [110]

**9:20-10:20 Parallel Session 4.3 - Patient Experiences, Partnership Working & Prioritisation (1)**

Room: W110

- 09:20 "Beginning a dialogue" - identifying key issues and challenges faced by people with stroke and their supporters, clinicians and researchers. Dr. Elizabeth Lynch (Australia) [73]
- 09:35 Improving the relevance of stroke upper limb rehabilitation research outcomes to stroke survivors, carers and health professionals. Ms Julie Duncan Millar (UK) [113]
- 09:50 Therapy for the upper limb after stroke: a longitudinal, phenomenological study of the experiences and perceptions of stroke survivors. Dr. Judith Purton (UK) [91]
- 10:05 Patient perspectives on navigating the field of Traumatic Brain Injury rehabilitation: a qualitative thematic analysis. Mrs Heidi Graff (Denmark) [24]

**10:20-11:00 Coffee/Tea, Exhibition, Posters**



**11:00-12:15 Parallel Session 5.1 - Vocational Rehabilitation & Return to Work (1)**

Room: W011\*

- 11:00 Facilitating Return to work through Early Specialist Health-based interventions (FRESH): Feasibility randomised controlled trial (RCT) [11/66/02]. Dr. Kate Radford (UK) [[Methodology session, 142](#)]
- 11:30 Effects of vocational retraining on disability pensions and employment in work disabled patients: average treatment effects by using inverse probability of treatment weighting. Prof. Matthias Bethge (Germany) [56]
- 11:45 Development of a classification system of services in vocational rehabilitation (LBR). Mrs Janett Zander (Germany) [114]
- 12:00 People with disabilities and their participation in labour market programmes: are there exclusion mechanisms? Dr. Nancy Reims (Germany) [19]

**11:00-12:15 Parallel Session 5.2 - Prosthetics & Orthotics, Physical Rehabilitation & Exercise (5)**

Room: W118

- 11:00 Scottish Specialist Prosthetics Service Development and Outcomes. Dr. Lynne Hutton (UK) [146]
- 11:15 Establishing the Cost / utility of the use of FES for the correction of dropped foot in Multiple Sclerosis and Stroke. Dr. Paul Taylor (UK) [136]
- 11:30 Effects of Lycra sleeves on shoulder girdle: A study to inform management of glenohumeral subluxation in post-stroke hemiplegia. Dr. Praveen Kumar (UK) [101]
- 11:45 Dynamic Lycra Orthoses as an adjunct to upper limb rehabilitation after stroke. A qualitative study examining feasibility and acceptability. Dr. Jacqui Morris (UK) [145]
- 12:00 Effectiveness of therapeutic riding, equine assisted interventions and simulated riding on functioning and disability in persons with rehabilitation needs: a systematic review and meta-analyses. Dr. Eeva Aartolahti (Finland) [230]

**11:00-12:15 Parallel Session 5.3 - Patient Experiences, Partnership Working & Prioritisation (2)**

Room: W110

- 11:00 Identifying key components of a biopsychosocial intervention for stroke carers (BISC): carer perspectives and expert consensus. Dr. Laura Condon (UK) [92]
- 11:15 Assessing technical difficulties and their potential assistive solutions in toilet use of elderlies and people with disabilities. Dr. Gabor Fazekas (Hungary) [54]
- 11:30 Focus groups for co-design of soft robotic trousers for improving mobility in everyday living. Dr. Ailie Turton (UK) [117]
- 11:45 "It's like pushing an elephant up the stairs": Understanding cancer survivorship care and rehabilitation needs assessment in shared care contexts. Dr. Charlotte Handberg (Denmark) [207]
- 12:00 Rehabilitation goals in hospice palliative care: what matters to patients with advanced progressive disease? Dr. Stephen Ashford (UK) [48]

**13:45-14:30 Plenary 4**  
**Vocational Rehabilitation and Return to Work**  
Dr. Sven-Uno Marnetoft (Sweden)

**14:35-15:35 Parallel Session 6.1 - Vocational Rehabilitation & Return to Work (2)**

Room: W011\*

- 14:35 To tell or not to tell? Factors associated with the (non-)disclosure of a chronic disease at work. Ms Jana Felicitas Bauer (Germany) [128]
- 14:50 Diagnostic accuracy of a screening predicting long term RTW problems in patients with neurological diseases. Mr Uwe Egner (Germany) [31]
- 15:05 Job Matching: An interdisciplinary scoping study with implications for Vocational Rehabilitation Counselling, M.sc. Marina Nützi (Switzerland) [81]
- 15:20 ICF-oriented questionnaires measuring work-related functioning – results of a systematic literature review. Mrs Annika Sternberg (Germany) [121]

**14:35-15:05 Parallel Session 6.2 – Spasticity**

Room: W118

- 14:35 How should improvement in leg function be measured in people with spasticity? Development of the Leg Activity measure (LegA). Dr. Stephen Ashford (UK) [17]
- 14:50 Prospective, single-arm, dose-titration study of incobotulinumtoxinA (Xeomin; up to 800U) for the treatment of upper and lower limb spasticity. Dr. Astrid Scheschonka (Germany) [198]

**15:05-15:35 Parallel Session 6.2 – Statistical process control**

Room: W118

- 15:05** Statistical process control in rehabilitation: our contributions, Prof. Gaj Vidmar (Slovenia) [Methodology session, 196]

**14:35-15:35 Parallel Session 6.3 - Family / Carer / Peer Involvement**

Room: W110

- 14:35 Rehabilitation task shifting - Results from the ATTEND Trial. Prof. Marion Walker (UK) [82]
- 14:50 Identifying young carers of stroke survivors in the East Midlands; phase one a prospective survey. Mrs Trudi M Cameron (UK) [34]
- 15:05 Managing visitors during the hospital stay: The experience of family caregivers of patients with TBI. Dr. Tolu Oyesanya (USA) [6]
- 15:20 The influence of the social network on physical activity three months after rehabilitation of women with breast cancer or musculoskeletal diseases. Prof. Wilfried Mau (Germany) [35]

**15:35-16:15 Coffee/Tea, Exhibition, Posters**

**16:15 – 17:00 Parallel Session 7.1 - Vocational Rehabilitation & Return to Work (3)**

Room: W011\*

- 16:15 Exit from Work and Return to Work. A 'Negotiation-Arena' of Coping with a Vulnerable Health and Job Condition. Ms Susanne Bartel (Germany) [107]
- 16:30 Mechanisms to Promote Job Retention in Work-Related Rehabilitation. A Qualitative Comparative Analysis (QCA) Case Study. Dr. Pirjo Juvonen-Posti (Finland) [22]
- 16:45 Development, implementation and benefits of using an ICF Core Set for vocational rehabilitation. Mrs Valentina Brecelj (Slovenia) [200]

**16:15 – 17:00 Parallel session 7.2 - Special Topics**

Room: W118

- 16:15 Medical rehabilitation as an attractive field of work for medical doctors? - A qualitative survey. Prof. Eva Maria Bitzer (Germany) [123]
- 16:30 Mortality associated with multimorbidity in patients with stroke: A study of 8751 UK Biobank Participants. Dr. Ross McQueenie (UK) [Methodology session, 225]
- 16:45 Implementing research into practice: the German model of work-related medical rehabilitation. Prof. Matthias Bethge (Germany) [206]

**16:15 – 17:00 Parallel Session 7.3 - Communication & Swallowing Rehabilitation**

Room: W110

- 16:15 Interventions for dysarthria due to stroke and other adult-acquired, non-progressive brain injury a Cochrane systematic review. Mrs Claire Mitchell (UK) [155]
- 16:37 Rehabilitation and recovery of peopLE with Aphasia after Stroke (RELEASE): Creating an international, multidisciplinary, individual patient database, Dr. Louise Rebecca Williams (UK) [Methodology session, 226]]

Saturday 27<sup>th</sup> May 2017

**8:30-9:15 Registration Open**

**9:00 - 9:45 Plenary 5**

Room: W011\* **Setting Rehabilitation Objectives with ICF: Empowering the Person**  
Prof. Matilde Leonardi (Italy)

**9:45 - 10:30 Expert Panel Discussion the Role of Research in Rehabilitation**

Room: W011\* EFRR, SRR and BSRM Council members discuss delegates' priority questions for future rehabilitation research

**10:30-11:15 Coffee/Tea, Exhibition, Posters**

**11:15 - 11:45 What's new and where to next?**

Room: W011\* Dr. Andrew Bateman (UK)

**11:45 - 12:00 Awards and Closing Remarks** Prof. Frederike van Wijck (UK)