

WED
CONCURRENT SESSIONS
BLOCK 1
1:30 PM – 2:45 PM

Using Technology to Empower Home Practice of Rehabilitation: Clinician and Client Perspectives (Emily Dubais, Constant therapy; David Poskanzer, Constant therapy; Mary Borelli, Patient perspective; Swathi Kiran, Boston University) #304544 ST, TEC, BI
Constant Therapy is an evidenced based mobile application for language and cognition being used with clinicians in treatment and at home by clients.

Motor-Intentional Neglect and an Introduction to the Movement and Mobility Scale (Peii Chen, Kimberly Hreha, A Barrett, Irene Ward) #292996 ST, CP, MES

BCI based motor rehabilitation for upper and lower extremities after stroke with neurofeedback (Christoph Guger, Slav Hristov. Dimov)# 327985 ST, NP, TEC

THU
CONCURRENT SESSIONS
BLOCK 2
10:30 AM – 11:45 AM

The Next Octave in Stroke Rehabilitation:
A Collaborative Approach to Music Therapy and Occupational Therapy (Danielle Porter, Danielle Parmenter) #292645 ST, AN

SPECIAL SYMPOSIUM

#302293 ST, CP
“Stroke Rehabilitation at a Crossroads”
ROBERT TEASELL, MD, FRCP, Professor and Research Director, Department of PM&R, Western University; Medical Director, Stroke Rehabilitation Program, Parkwood Institute, London, ON Canada



CONCURRENT SESSIONS
BLOCK 3
1:45 PM – 3:00 PM

Mild Cognitive Deficits in Inpatient Stroke Rehabilitation: Interdisciplinary Assessment Strategies (Joan Toglia, Abhishek Jaywant, Andrea Mastrogiovanni, Amy Meyer) #294704 ST, CP

Introduction to an Interdisciplinary Approach to Aphasia Treatment (Christina del Toro, Michelle Armour, Ellayne Ganzfried, Michelle Lee) #291745 ST

Innovative Functional Electrical Stimulation for Stroke Rehabilitation (Jayme Knutson, Michael Fu, Richard Wilson, Nathan Makowski) #301621 ST, TEC, LL

Integrating the Voice of Family Caregivers to Develop a Tool to Assess Stroke Caregiver Preparedness (Michelle Camicia, Barbara Lutz, Mary Ellen Young, Donna Williams) #300720 ST, CP

CONCURRENT SESSIONS
BLOCK 4
5:00 PM – 6:15 PM

HOT TOPICS IN STROKE: STROKE REHABILITATION
#302294 ST
ROBERT TEASELL, MD, FRCP (see Dr. Teasell above / Block 2)

Ensuring Inpatient Rehabilitation Facility Relevance Through Efficiency and Effectiveness (Brian Theodore, Ann Perkins, Michelle Camicia) #300604 ST, BI

The Impact of Post-Hospital Stroke Rehabilitation on Disability Reduction and Quality Outcomes (Gordon Horn, Frank Lewis, Keith Kincaid, Robert Russell) #300748 ST, CP

Neuroplasticity and neuro-modulation targeted to lower limb rehabilitation: animal, human, and clinical studies (Trisha Kesar, Mark Bowden, Aiko Thompson, Mark Lyle) #304098 ST, NP

FRI
CONCURRENT SESSIONS
BLOCK 5
10:30 AM – 11:45 AM

SPECIAL SYMPOSIUM
STROKESTRA: Holistic Stroke Rehabilitation Through Creative Music-Making (Lisa Rodio, Carol Hargreaves, Clare Nicholson, Tim Steiner) #300065 AN, ST CROSSTAGGED

Why Do People Poststroke Walk Slowly? (David Brown, Elliot Roth, Christopher Hurt, Deanna Rumble, Sarah Graham, Avantika Naidu, Adam Wieckert) #294806 ST, CP

Essential Neurorehab Content/Dose for Significant Recovery of Arm/Hand Function in Moderate/Severe Stroke (Janis Daly, Jessica McCabe) #295177 ST, NP

Stroke ISIG ACRM & National Stroke Association Excellence in Post-Acute Stroke Award: LEORA R CHERNEY, PhD, BC-ANCDs, CCC-SLP

CONCURRENT SESSIONS
BLOCK 6
2:30 PM – 3:45 PM



SPECIAL SYMPOSIUM

#333769
“Emerging Technologies for Stroke Rehabilitation: Toys or Tools?”
STEVEN L WOLF, PHD, PT, FAPTA, FAHA
Professor, Emory University School of Medicine, Department of Rehabilitation Medicine, Division of Physical Therapy

The Next Octave in Stroke Rehabilitation: A Collaborative Approach to Music Therapy and Occupational Therapy (Danielle Porter, Danielle Parmenter) #292645 ST, AN CROSSTAGGED

SAT
CONCURRENT SESSIONS
BLOCK 7
9:45 AM – 11:00 AM

PAPER SESSIONS



CONCURRENT SESSIONS
BLOCK 8
11:30 AM – 12:45 PM

Measurement and Characterization of Walking Ability of Individuals who are Unable to Walk (Andrew Packel, MossRehab) #294612 ST, CP

STROKE ISIG: ACRM & NATIONAL STROKE ASSOCIATION YOUNG INVESTIGATOR

CONCURRENT SESSIONS
BLOCK 9
1:00 PM – 2:15 PM

Diagnosing and Treating Deficits in Propulsion to Improve Walking After Stroke: Clinical & Technological Advances (Lou Awad, Mark Bowden, Michael Lewek, Jason Franz) #304475 ST, TEC

Performance Based Cognitive and Perceptual Assessment After Stroke (Glen Gillen) #328110 ST

@ACRMstroke

The objective of this symposium is to present recent findings from research studies involving neuroplasticity and neuro-modulation targeted toward lower limb and gait rehabilitation. The symposium will include presentations on animal studies elucidating plasticity and organization of locomotor circuitry, the use of transcranial magnetic stimulation (TMS) to evaluate corticospinal neuroplasticity post-stroke, TMS as a tool to modulate lower limb corticomotor excitability post-stroke, and operant conditioning to modulate cortical excitability. The symposium will include a discussion forum with the audience about implications of the research concepts presented for neuro-rehabilitation clinicians.

“Progress in Aphasia Rehabilitation Research: A Personal Perspective”



Scientific Chair:
Think & Speak Lab and Professor, Physical Medicine & Rehabilitation and Communication Sciences & Disorders; Shirley Ryan AbilityLab (formerly the Rehabilitation Institute of Chicago) and Northwestern University



HOT TOPICS IN STROKE: STROKE REHABILITATION: #302294

ROBERT TEASELL, MD, FRCP

The evidence for stroke rehabilitation is impressive when compared with other rehab diagnostic entities, with close to 2,000 RCTs. Although the quality of RCTs has been steadily improving over time the number of subjects per RCT remains unchanged and studies with a small number of subjects is still very common. Recovery from stroke is complex and recovery trajectories depend on a number of factors, the most important being stroke severity although it is also influenced by the time to onset of rehabilitation, therapy intensity and specialized stroke rehabilitation units. Focus will be identification of how stroke rehabilitation evidence can be used to maximize stroke rehabilitation outcomes.

ACRM Community Groups are looking for members like you. To help move rehabilitation forward. **CONNECT with these groups in Atlanta.** Meanwhile, connect with them virtually — visit their web pages, email the chairs, sign-up for listservs, get involved and make your mark. You are welcome and wanted here. **ACRM COMMUNITIES...**
See: ACRM.org/meetings17

Join us. Be moved.



SPECIAL SYMPOSIUM #333769
“Emerging Technologies for Stroke Rehabilitation: Toys or Tools?”

STEVEN L WOLF, PHD, PT, FAPTA, FAHA

This seminar will feature several engineers who will dialogue on developing technologies, their relevance and application to the rehabilitation of stroke survivors, and the environments in which they can be best used. Opportunities will be provided for engaging questions and answers with attendees.

MORE: www.ACRM.org/STcontent



STROKE  **INTERDISCIPLINARY SPECIAL INTEREST GROUP**

STROKE ISIG EXECUTIVE COMMITTEE



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< **MEMBER-AT-LARGE**

Kristen L. Mauk, PhD, DNP, RN, CRRN, GCNS-BC, GNP-BC, FAAN

INTERNATIONAL > NETWORKING GROUP LIAISON

Katharina Sunnerhagen, MD, PHD

PARTICIPATE  **JOIN THE ACRM STROKE ISIG**

Stroke ISIG Business Meeting: THU 7:00 AM - 8:00 AM
See Stroke ISIG task force meetings page 17