

## DESCRIPTIONS

FRIDAY 28 SEPT



**FRI 8:30 AM - 12:30 PM ICI: Regenerative Medicine in Conjunction with Traditional Therapy in the Treatment of TMD & Related Dysfunctions** **STYLE:** Lecture **FOCUS:** Clinical Practice, Complementary

Integrative Rehabilitation Medicine, Pain Rehabilitation **FACULTY:** Jodi Barth, Center for Facial Recovery; Nathan Yokel, Regenerative Orthopedic and Sports Medicine; Gincy Stezar, The Center for Facial Recovery; Carl Chua, Center for Facial Recovery

Neck pain may signal a shoulder problem, and visa-versa. But have you ever considered how the TMJ region can also be a cause for symptoms? It's the purpose of this course to familiarize the clinician with basic evaluation techniques and the complex anatomical relationships between the cervical region, shoulder girdle and the craniomandibular complex that impact the successful resolution of symptoms. Current treatment regimens from a multi-disciplinary approach including PM&R regenerative techniques and new treatment modalities will be presented including the use of diagnostic ultrasound and negative pressure pump for assessment and treatment of fascial restrictions that impact this region.

**FRI 8:30 AM - 5:30 PM IC2: Coping-Skills Training Workshop: A Group Intervention Aimed to Improve Adjustment after BI**

**STYLE:** Hands-on Workshop **FOCUS:** Brain Injury, Clinical Practice **FACULTY:** Samantha Backhaus, Rehabilitation Hospital of Indiana; Summer Ibarra, Rehabilitation Hospital of Indiana; Thomas Bergquist, Mayo Clinic; Kamini Krishnan, Mayo Clinic

The focus of this workshop is to provide training in how to facilitate an evidenced-based coping skills group for individuals with brain injury and their caregivers. It will specifically review the different Modules of the program, teach participants advanced cognitive-behavioral, dialectical-behavioral, and Mindfulness skills and demonstrate application of group therapy skills. While the developers of this program will be teaching this workshop, prior workshop attendees from the Mayo Brain Rehabilitation Clinic will be discussing real-life application of this program.

**FRI 8:30 AM - 5:30 PM IC3: Interdisciplinary Perspectives to Functional Measurement and Assessment of the Stroke Survivor**

**STYLE:** Hands-on Workshop **FOCUS:** Stroke, Measurement **FACULTY:** Stephen Page, Ohio State University College of Medicine; Michelle Armour, Marianjoy Rehabilitation Hospital; Maria Cecilia Alpasan, Cedars-Sinai

Stroke is one of the leading causes of disability in the United States. Given stroke can affect all aspects of bodily function and abilities, multiple measurements and assessments are administered across disciplines. These measurements are critical in evaluating function and providing effective care for the stroke survivor. Clinical knowledge of various standardized assessments is required of all medical professionals to create effective goals for stroke patients to achieve functional outcomes.

**FRI 1:30 PM - 5:30 PM IC34: Measuring Up: An Introduction to Improving the Meaning of Clinical Assessments w/ Rasch Analysis**

**STYLE:** Workshop **FOCUS:** Measurement **FACULTY:** Trudy Mallinson, The George Washington University

A one day evidence-based workshop exploring the fundamentals of strength and neuromuscular conditioning within rehabilitation settings. Suitable for any rehabilitation professional. We will evaluate how the advances in science, including the cross-education effect and non-concurrent conditioning improves outcomes for little or no extra time or cost. Accordingly you will learn immediately deployable skills and techniques to enhance your clinical rehabilitation practice and the subtle, but important changes that can translate into big gains for your patients.

**FRI 1:30 PM - 5:30 PM IC4: Strength & Neuromuscular Conditioning for Rehab.; Fundamental Principles to Optimise Outcomes**

**STYLE:** Workshop with Discussion and Group Work **FOCUS:** Clinical Practice, Cross-Cutting **FACULTY:** Claire Minshull, RJA Orthopaedic Hospital

A one day evidence-based workshop exploring the fundamentals of strength and neuromuscular conditioning within rehabilitation settings. Suitable for any rehabilitation professional. We will evaluate how the advances in science, including the cross-education effect and non-concurrent conditioning improves outcomes for little or no extra time or cost. Accordingly you will learn immediately deployable skills and techniques to enhance your clinical rehabilitation practice and the subtle, but important changes that can translate into big gains for your patients.

## SATURDAY 29 SEPT

**SAT 8:30 AM - 12:30 PM IC5: Approaches to Interdisciplinary Care in the PostAcute Setting**

**STYLE:** Lecture **FOCUS:** Clinical Practice, Health Services Research **MES FACULTY:** Elissa Charbonneau, HealthSouth Corp; Bud Langham, Encompass Health - Home Health and Hospice Division; Tedra Cleveland, HealthSouth Corporation; Becky Bradley, HealthSouth Corporation

This course will highlight the approach to interdisciplinary care in the Post Acute Setting. Attendees will hear from Clinical Leaders from Encompass Health Corp. Our company provides inpatient rehabilitation and home health and hospice services. We will outline our approach from evaluation of patients in the acute care setting to determine the most appropriate post acute environment, through inpatient rehabilitation and home health services. We will define the role of the clinical navigator and Care Transition Coordinator and share strategies we use to collaborate and reduce the risk of readmission to the acute care hospital during the episode of care.

**SAT 8:30 AM - 12:30 PM IC6: Kinesio Taping Hands-on Workshop**

**STYLE:** Hands-on Workshop **FOCUS:** Complementary, Integrative, Rehabilitation Medicine, Clinical Practice **FACULTY:** Abhinav Yadav, Compleat Rehab and Sports Therapy; Sandeep Biswas, Teton Orthopedics

Course designed to introduce participants to the science, assessment and application techniques of the Kinesio Taping® Method. Lecture/Tutorials of the history, science and theory of stimulus transmission through skin and resulting therapeutic benefit across efferent and afferent systems is reviewed. Corrections for Epidermis, Dermis, Fascia, Space, and Muscle in case study format are presented.

**SAT 8:30 AM - 12:30 PM IC7: Restoring Voluntary Grasping Function After Stroke or SCI Using Functional Electrical Stimulation**

**STYLE:** Hands-on Workshop **FOCUS:** Neuroplasticity, Spinal Cord Injury, Stroke **FACULTY:** Naaz Desai-Kapadia, Toronto Rehabilitation Institute-UHN; Debbie Hebert, Toronto Rehabilitation Institute-UHN; Dr. Milos Popovic, University of Toronto, Toronto Rehab Institute - University Health Network

One of the most promising approaches to improve motor function in individuals with neurological ailments is Functional Electrical Stimulation (FES). FES is a methodology that uses bursts of short electrical pulses to generate muscle contraction. If these electrical pulses are applied to motor nerves they can elicit action potentials that propagate along the axons towards the target muscle(s). The aim of this workshop is to illustrate the application of FES therapy for retraining upper extremity function, in particular grasping, in individuals with stroke and spinal cord injury.

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## SATURDAY 29 SEPT

SAT 8:30 AM - 5:30 PM **IC8: Advanced Topics in Longitudinal Data Analysis****STYLE:** Lecture **FOCUS:** Measurement, Cross-Cutting **FACULTY:** Allan Kozlowski, Mary Free Bed Rehabilitation Hospital; Keith Lohse, University of Utah

Rehabilitation researchers and clinicians often deal with outcomes that evolve over time and are not suited to binary categorization of pre- post-assessments, as is common in other areas of medicine and healthcare. This course will build on our previously offered introduction to modeling longitudinal outcomes in a lecture and practical workshop format. Advanced topics include methods to assess data and model structure visually, statistically, and conceptually; and to fit more complex models and outcome types. While not a prerequisite, course participants will benefit from having a working knowledge of the introductory course content and of the R environment.

SAT 8:30 AM - 5:30 PM **IC9: Elevating Your Scientific Writing Prowess and Your Research Profile****STYLE:** Hands-on Workshop **FOCUS:** Cross-Cutting, Quality Improvement and Implementation Science **FACULTY:** Nicole Stout, 3eServicesLLC; Julie Silver, Harvard Medical School & Spaulding Rehabilitation Network; Leighton Chan, NIH Clinical Center Department of Rehabilitation Medicine

This IC will use an interactive lecture and workshop format to help you strengthen your scientific writing skills and elevate your research impact by focusing 3 principles: 1) Strong scientific writing skills enable you to succinctly portray findings, enhance the impact of your scientific work, and lead to high profile publications. 2) Receiving and providing strong peer review can make you both a better writer, a better mentor, and a better member of the research community. 3) Dissemination of your work should go beyond conference presentations and journal publications and can be portrayed as more than citations on your CV.

SAT 8:30 AM - 5:30 PM **IC10: Holistic Neuropsychological Rehabilitation: International Updates, Debates and Resources****STYLE:** Hands-on Workshop **FOCUS:** Brain Injury, International **FACULTY:** Andrew Bateman, Oliver Zangwill Centre for Neuropsychological Rehabilitation; Dawn Neumann, Indiana University; Ana Paula de Pereira, Universidade Federal do Parana; Jan Egil Nordvik, Regional kompetansetjeneste for rehabilitering HSØ ved Sunnaas sykehus

If you are a clinician working with people with Acquired Brain Injury this session will provide you with resources to help you assess, formulate and intervene efficiently and effectively. You will practice using a model to draw together assessment findings, patient self report and observations of family members to guide rehabilitation goal setting and interventions, consider how how templates provided can enhance communication with clients and their families, including cultural considerations; have a framework for holistic intervention that will include some detailed attention to cross cultural issues & a detailed focus on emotion recognition training.

SAT 8:30 AM - 5:30 PM **IC11: Integrative Cognitive Rehabilitation Psychotherapy for Brain Injury: An Overview****STYLE:** Case Study Presentation **FOCUS:** Brain Injury, Pediatric Rehabilitation, Neuroplasticity **FACULTY:** Mark Pedrotty, UNM

Clinicians will be introduced to an integrative cognitive rehabilitation psychotherapy model that includes assessment of three problem areas for treatment (cognitive, psychiatric, and substance abuse) and six levels of interventions (medication, cognitive retraining, internal compensatory strategies, external compensatory strategies, environmental adaptations and alternative interventions) for each of the three problem areas across all ages using a biopsychosocial model. Motivational interviewing will be discussed as a treatment intervention in assessing and addressing readiness to change. Four stages of treatment across the three problem areas will be described (surviving, healing, thriving, and ending) within setting up a treatment plan and monitoring progress.

SAT 8:30 AM - 5:30 PM **IC12: Integrating Outcome Measurement into Clinical Practice****STYLE:** Lecture **FOCUS:** Clinical Practice, Cross-Cutting **FACULTY:** Pamela Roberts, Cedars-Sinai; Deborah Backus, Crawford Research Institute; Sarah Morrison, Shepherd Center; Trudy Mallinson, George Washington University; Maria Cecilia Alpasan, Cedars-Sinai; Richard Riggs, Cedars-Sinai

Determining which rehabilitation outcome assessments to use is challenging. Some are good for making a diagnosis, others are better for capturing change. Knowing which factors are important for selecting the right outcome assessments is important for ensuring data are reliable, valid, fit within clinical workflow, and clinically useful. Outcome measurement is important for demonstrating value and to advance clinical knowledge. The purpose of this instructional course is to provide rehabilitation providers the rationale and guidelines for choosing outcome assessments to use routinely in a variety of clinical settings and develop a framework that facilitates implementation of an outcomes model.

SAT 8:30 AM - 5:30 PM **IC13: Latest Assessment and Treatment for Stroke, TBI and SCI to Accelerate Neurorehabilitation****STYLE:** Hands-on Workshop **FOCUS:** Clinical Practice, Neuroplasticity, Spinal Cord Injury **FACULTY:** Rebecca Martin, Kennedy Krieger Institute; Wise Young, W.M. Keck Center for Collaborative Neuroscience; Martin Runge, Geriatric Center Esslingen, private practice; Harald Schubert, Novotec Medical GmbH; Victoria Williams, Unique Body Solutions

This course will review the role of stem cell treatments, mechanography assessment and mechano-stimulation in the rehabilitation of patients with neurological dysfunction. Through participation clinicians will gain a greater understanding of the complimentary approach of stem cell treatments and high-intensity functional training for greater independence. Clinicians will develop new competencies in mechanotherapy to drive change in the damaged nervous system and achieve better outcomes in a shorter time making therapy more efficient. Case study demonstrations will focus on Stroke, TBI and SCI assessment, goal setting and treatment procedures for neuromuscular recovery, spasticity reduction, improved walking distance, flexibility, and balance.

SAT 8:30 AM - 5:30 PM **IC14: Navigating Strengths in Interdisciplinary Teams: A Look in the Mirror****STYLE:** Lecture **FOCUS:** Cross-Cutting, International **FACULTY:** Megan Mitchell, Overland Park, KS; Lise Worthen-Chaudhari, The Ohio State Univ.

This workshop based course will introduce interdisciplinary collaboration as a skill that can be learned and will provide structured opportunities to practice relevant skills and self-reflection. Participants will complete their own Gallup Strength Finder assessments, be introduced to the theory and research underlying strengths-based leadership and begin applying this knowledge and skill base during directed breakout sessions. Sessions will be facilitated by moderators and focus upon presenter and attendee ideas. Focus throughout the course will be directed towards recognizing individual strengths in order to maximize your role and impact and adapting your individual role throughout your career.

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*Believe it or not — all of these courses are included in the WORLD PASS*

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## SATURDAY 29 SEPT

SAT 8:30 AM - 5:30 PM **IC15: Optimizing Outcomes in Wheelchair Skills & Maintenance Training Through Group & Remote Training**

**STYLE:** Hands-on Workshop **FOCUS:** Cross-Cutting, Clinical Practice, Spinal Cord Injury **FACULTY:** Lynn Worobey, University of Pittsburgh; Michael Boninger, University of Pittsburgh; R. Lee Kirby, Dalhousie University; Trevor Dyson-Hudson, Kessler Foundation; Rachel Cowan, University of Miami Miller School of Medicine; Mary Shea, Kessler Institute

Group training offers a mechanism to improve wheelchair skills and maintenance in the context of reduced lengths of stay across the rehabilitation continuum. We will present structured, evidence-based interventions in both of these domains and a train-the-trainer model that utilizes web-based training to improve clinician capacity to provide training. The workshop will include 1) rapid-fire presentations of research results from a multi-site randomized control trial 2) discussion of clinically-relevant outcome measures 3) hands-on practice with both training programs and 4) free teaching resources and outcome measures available to clinicians to enable delivery of training programs in one's own clinical setting.

SAT 8:30 AM - 5:30 PM **IC16: Using Smartphone Apps as a Brain Prosthetic for Patients With Cognitive Challenges & Fatigue**

**STYLE:** Demonstration **FOCUS:** Technology, Brain Injury, Military / Veterans Affairs **FACULTY:** Stacey Schwartz, Brain Education Strategies & Technology; Michelle Wild, Coastline Community College

Clients with traumatic brain injuries, strokes, multiple sclerosis, ADHD, chronic fatigue, Chemobrain, lupus and other conditions typically face challenges in memory, organization, executive functioning, energy, goal-setting/motivation and self-regulation. Training patients in how to use smartphone and tablet apps improves independence by addressing all these areas of cognitive challenge in a manner that is convenient and non-stigmatizing. See demonstrations of the seven apps that can be used to compensate for the majority of cognitive deficits experienced at work, home and school and learn how you can use them yourself in the rehabilitation process.

SAT 8:30 AM - 5:30 PM **IC33: Manual Wheelchair Skills Assessment and Training: A Practical Workshop for Therapists**

**STYLE:** Hands-on Workshop **FOCUS:** Cross-cutting, Clinical Practice, Spinal Cord Injury **FACULTY:** Ronald L. Kirby, Dalhousie University; Cher Smith, Nova Scotia Health Authority

Research evidence has been accumulating that demonstrates the safety and superior effectiveness of a formal approach to the assessment and training of the wheelchair skills of wheelchair users and their caregivers. The low-tech, high-impact Wheelchair Skills Program includes useful evaluation and training tools to help practitioners translate this research evidence into clinical practice. This 8-hour workshop, will begin with a 1-hour didactic introduction to the WSP. The practical portion of the workshop will provide participants with an opportunity to experience a range of wheelchair skills including spotting techniques and assessment methods, but will focus on training issues.

SAT 1:30 PM - 5:30 PM **IC17: How Alexander Technique Can Complement Rehabilitation Research and Practice**

**STYLE:** Lecture **FOCUS:** Complementary Integrative Rehabilitation Medicine, Cross-Cutting **FACULTY:** Molly Johnson, University of the Incarnate Word; Monika Gross, The Poise Project; Rajal Cohen, University of Idaho

Alexander technique (AT) is an educational approach to improving patterns of posture and movement during everyday activities. Alexander-based programs show clients how to choose functional patterns that are thought to result in more efficient use of postural muscles. This course will introduce AT training as a tool to enhance the ability of patients to be more active and skilled partners in their own care and recovery. Additionally, it will give an overview of research on the clinical impact of AT training on target populations and will discuss the principles and mechanisms that may be linked to positive clinical outcomes.

SAT 1:30 PM - 5:30 PM **IC18: How to Contribute to and/or Lead Clinical Research as a Physician or Rehabilitation Clinician**

**STYLE:** Mix of Lecture and Discussion **FOCUS:** Cross-Cutting, Clinical Practice **FACULTY:** Brad Kurowski, Cincinnati Children's Hospital and University of Cincinnati College of Medicine; Flora Hammond, Indiana University School of Medicine; Michael Jones, Shepherd Center; Douglas Katz, Boston University / Braintree Rehab

The purpose of this course is to assist physicians, rehab clinicians, and key research staff in improving their skills and understanding of the principles and practices used in the successful execution of patient-oriented research. Participants will gain insights to enhance their ability to get involved in clinical research and perform quality research according to existing regulations and guidelines.

SAT 1:30 PM - 5:30 PM **IC19: Matching Exercise Prescription to the Biomechanics of Walking in Rehabilitation to Optimise Mobility Outcomes**

**STYLE:** Lecture **FOCUS:** Clinical Practice, Limb Restoration Rehabilitation, Cross-Cutting **FACULTY:** Gavin Williams, Epworth Healthcare & University of Melbourne; Jennifer McGinley, The University of Melbourne

Optimizing gait in neurorehabilitation requires an understanding of the influence of acquired impairments on gait biomechanics. A framework to guide treatment selection is presented, illustrated by considering muscle strength. Muscle weakness is the main cause of mobility limitations in many neurological conditions. Strong evidence indicates that strength training improves muscle weakness, yet improvements have not translated into improved gait, with two recent reviews showing these interventions have not matched muscle function when walking. Better translation is likely to occur if interventions are better targeted, and a conceptual shift from strength training to targeted ballistic or power training occurs.



### TOO MUCH TO PRINT!

<< All sessions & details  
are in the online program  
[ACRM.org/onlineprogram](http://ACRM.org/onlineprogram)



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SUNDAY 30 SEPT

MORNING ONLY COURSES

SUN 8:30 AM - 12:30 PM **IC26: Item Response Theory (IRT) and Its Applications to Rehabilitation****Outcomes Assessment****STYLE:** Lecture **FOCUS:** Measurement, Clinical Practice, Quality Improvement and Implementation Science **FACULTY:** Chih-Hung Chang, Rehabilitation Institute of Chicago; Andrew Bodine, Shirley Ryan AbilityLab

Item response theory (IRT) holds great promise and has become increasingly popular in clinical outcomes assessment because it provides more effective methods of assessment tool development, analysis and scoring. In this instructional course, we will provide an overview of IRT models and discuss their applications to clinical outcomes measurement and management in physical medicine and rehabilitation research and practice. Specifically, we will discuss the following topics using empirical data: 1) fundamentals of IRT; 2) types of IRT models; 3) applications of IRT models (e.g., item reduction, differential item functioning and equating); and 4) innovations in outcomes assessment.

SUN 8:30 AM - 12:30 PM **IC27: Multidisciplinary Treatment: An Innovative Approach to Facial Palsy****STYLE:** Lecture **FOCUS:** Complementary Integrative Rehabilitation Medicine, Clinical Practice, International **FACULTY:** Jodi Barth, Center for Facial Recovery; Victor Ibrahim, Regenerative Orthopedics and Sports Medicine; Michael Reilly, Georgetown University Medical Center; Gerd Fabian Volk, University of Jena; Chad Zatezalo, The Zatezalo Group

Facial palsy impacts over 1 million patients a year seeking medical guidance. Our multidisciplinary team is comprised of facial palsy experts in the fields of facial plastic surgery, ENT, regenerative medicine, oculoplastic surgery and physical therapy. This course is designed to provide attendees knowledge of current treatment regimens, interventions and new innovative techniques for the facial palsy patient.

SUN 8:30 AM - 12:30 PM **IC28: Novel BCI Approaches Boosting Neuroplasticity After Stroke and Providing Fast Objective****Assessment in DOC Patients****STYLE:** Hands-on Workshop **FOCUS:** Neuroplasticity, Cross-Cutting, Technology **FACULTY:** Brendan Allison, UC San Diego; Slav Dimov, g.tec medical engineering GmbH; Vivek Prabhakaran, University of Wisconsin-Madison

This instructional course will provide hands-on demonstrations and workshops with different systems that use the EEG and other multimodal signals to enable communication or provide rehabilitation for persons with severe motor disabilities. Attendees can don electrode caps and other head-mounted equipment and use systems and methods from different groups. We will help attendees proceed through the stages of mounting equipment, launching software, training the classifier, practising communication, and other activities. This course may be of interest to persons who work with patients with severe motor disabilities, as well as people interested in neuroscience, engineering, medicine, movement therapy, psychology, signal processing, and HCI.

SUN 8:30 AM - 12:30 PM **IC29: Rhythm and the Motor System: New Opportunities for Gait Training****STYLE:** Lecture **FOCUS:** Arts & Neuroscience, Neuroplasticity, Cross-Cutting **FACULTY:** Brian Harris, Spaulding Rehabilitation; Lou Awad, Boston University; Abigail Spaulding, Spaulding Rehabilitation Hospital

Recent clinical research has demonstrated the profound impact of Rhythmic Auditory Stimulation (RAS) on the improvement of gait during neurologic rehabilitation. This presentation will cover the neural mechanisms responsible for rhythmic-motor entrainment, and discuss how innovative research led to the creation of RAS. The clinical research will also be presented along with case study video examples to demonstrate how RAS may be used with a variety of neurologic populations, including Stroke, TBI, PD, and MS. The attendees will learn the neuroscience foundation, how to apply these principles in their own practice, and areas for future research.

SUN 8:30 AM - 12:30 PM **IC30: Stimulation Paradigms and Parameters After Spinal Cord Injury****STYLE:** Hands-on Workshop **FOCUS:** Spinal Cord Injury, Clinical Practice, Complementary Integrative Rehabilitation Medicine **FACULTY:** Ashraf Gorgey, Hunter Holmes McGuire VA Medical Center; T. Ann McElroy, Restorative Therapies Inc.

We are planning to provide hands-on training on a few of the commercially available stimulators to enable clinicians, researchers and consumers to safely handle electrical stimulation units to maximize muscle health after SCI. This workshop will serve as the basis for many disciplines who are willing to start an effective rehabilitation program using the technology of electrical stimulation, including physical therapists, occupational therapists, physicians, and exercise physiologists. The target audience will also include researchers and consumers who are likely to expand and benefit from applications of electrical stimulation.

SUN 8:30 AM - 12:30 PM **IC31: The NIH Toolbox: State of the Art Outcome Measures for Rehabilitation Practice and Research****STYLE:** Lecture **FOCUS:** Cross-Cutting, Measurement **FACULTY:** Richard Gerhson, Northwestern University; Allen Heinemann, Northwestern University; Cindy Nowinski, Northwestern University; Julie Hook, Northwestern University

This Introductory workshop presents instructional information and hands-on demonstration of the cutting edge measurement system to assess neurological and behavioral function — the NIH Toolbox®. The advantages of employing common measures across rehabilitation research and clinical practice will be addressed. Recent findings with the NIH Toolbox in spinal cord injury, stroke and traumatic brain injury will be described. Participants will acquire the basics of computer adaptive testing and modern psychometric approaches and the building blocks for administration of the NIH Toolbox® measures for emotional, cognitive, sensory and motor function via an iPad.

SUN 8:30 AM - 12:30 PM **IC32: User Centered Design of Technologies for Rehabilitation: A Discussion and Demonstration****STYLE:** Presentations, Round-robin Demonstrations, Panel Discussion **FOCUS:** Technology, Cross-Cutting **FACULTY:** Rachel Proffitt, University of Missouri; Tracey Wallace, Shepherd Center; Lynne Gauthier, The Ohio State University; Michelle Woodbury, Medical University of South Carolina; Lauren Sheehan, Neofect USA; John Morris, Shepherd Center; Mary Cooley, Dynofit

Technology is being increasingly incorporated into rehabilitation at all phases. Unfortunately, many companies and researchers have developed technologies that do not meet the needs of the rehabilitation consumer or clinic. The purpose of this instructional course is to present the work of researchers in field, highlighting the User Centered Design Processes these researchers have used in the development of their technologies. Researchers will present and demo the technology they have developed.



## SUNDAY 30 SEPT

## MORNING ONLY COURSES

SUN 8:30 AM - 12:30 PM **IC20: Education is not Enough: A Guide to Implementing ACRM Cognitive Rehabilitation Manual at Organizational Level**

**STYLE:** Hands-on Workshop **FOCUS:** Clinical Practice, Brain Injury, Quality Improvement and Implementation Science **FACULTY:** Larissa Swan, Rehabilitation Hospital of Indiana; Christopher Carter, Spaulding Rehabilitation Network; April Groff, Learning Services- North Carolina Region; Frank Becker, Sunnaas Rehabilitation Hospital, University of Oslo; Anne-Margrethe Linnestad, Sunn

A recent survey of participants in the ACRM Cognitive Rehabilitation Manual training found that a little more than half of the materials were being used beyond the practices of the individual respondents. This workshop will review the results of this survey along with an overview of Knowledge Implementation theory. A step-by-step guide based on this model will be presented as a tool for knowledge implementation, which can be used by participants to assist in incorporating CR methods and other EBI into their organizations. Attendees will have an opportunity to participate in exercises to formulate an implementation plan for their organizations

SUN 8:30 AM - 12:30 PM **IC21: Evaluating Evidence in Everyday Clinical Practice**

**STYLE:** Hands-on Workshop **FOCUS:** Clinical Practice, Clinical Practice **FACULTY:** Ronald Seel, Virginia Commonwealth University

This course, co-sponsored by the Guideline Development, Dissemination, and Implementation Committee and the ACRM Evidence and Practice Committee, presents "how to" information that will help clinicians and researchers evaluate evidence from rehabilitation studies and translate evidence into everyday clinical practice. A primary aim is to de-mystify evidence-based practice concepts and equip participants with the knowledge and tools needed to translate evidence (e.g., a published article or clinical trial data) into action (e.g., choosing and implementing a specific intervention). This course will use brief didactic presentations and emphasize applying new knowledge in small work groups.

SUN 8:30 AM - 12:30 PM **IC22: Evaluation and Treatment for Chemotherapy-Induced Peripheral Neuropathy**

**STYLE:** Half Lecture, Half Hands-On Workshop **FOCUS:** Cancer Rehabilitation, Clinical Practice **FACULTY:** Cynthia Cooper, Cooper Hand Therapy; Sherry Hite, City of Hope National Medical Center

Many people who have been treated with chemotherapy experience neuropathy that interferes with their activities of daily living and negatively impacts their overall quality of life. As more aggressive pharmacological agents are developed and survival rates increase in the future, the number of people affected is projected to grow. This presentation will 1) define CIPN; 2) demonstrate evaluation techniques that focus on the unique characteristics of CIPN; and 3) present evidence-based interventions targeting the neuromuscular system. Suggestions for home programs including therapeutic exercise, manual therapy, and sensory stimulation will be provided.

SUN 8:30 AM - 12:30 PM **IC23: How to Find and Access Secondary Data for Your Research**

**STYLE:** Hands-on Workshop **FOCUS:** Cross-Cutting, Stroke, Geriatric Rehabilitation **FACULTY:** Kenneth Ottenbacher, University of Texas Medical Branch; Amy Pienta, Inter-university Consortium of Political and Social Research; Alison Stroud, Inter-university Consortium for Political and Social Research (ICPSR); Rachel Ward, Harvard School of Medicine

This workshop will highlight secondary data resources available for rehabilitation research. It will be led by researchers and archivists from the CLDR at the University of Texas Medical Branch and the ICPSR at the University of Michigan. Following a brief overview, two concurrent hands-on sessions will guide participants through the process of accessing and analyzing archived data from 1) the Boston RISE study, a community-based prospective cohort study on mobility and disability in older adults, or 2) the Stroke Recovery study, a clinical study examining relationships between neural output and biomechanical functions during ambulation in stroke and non-stroke participants.

SUN 8:30 AM - 12:30 PM **IC24: I Survived Critical Illness — Now What? Post-Intensive Care Syndrome Prevention, Identification, and Treatment**

**STYLE:** Lecture **FOCUS:** Clinical Practice, Cancer Rehabilitation **FACULTY:** Emily Bodensteiner Schmitt, Mayo Clinic; Kristin Hall, Mayo Clinic Rochester

More than 5.7 million patients are admitted to U.S. intensive care units annually. Those who survive their intensive care unit stay are the lucky ones, right? Lucky to be alive, yes, but often these people never return to their baseline level of mental health, cognition, and physical functioning. These new and lasting deficits following intensive care unit stay are collectively known as post-intensive care syndrome (PICS). This course will review the impacts of PICS on patients and families, discuss the relationship between delirium and PICS, and examine what therapists and health systems can do to minimize the impact of PICS.

SUN 8:30 AM - 12:30 PM **IC25: Interprofessional Care for Chronic Pain Population: Lessons From an Interdisciplinary Rehabilitation Program**

**STYLE:** Lecture/Work Groups **FOCUS:** Pain Rehabilitation, Clinical Practice, Pediatric Rehabilitation **FACULTY:** Heidi Kempert, Cleveland Clinic Children's Hospital for Rehabilitation; Lauren Nelson, Cleveland Clinic Children's Hospital for Rehabilitation; Erin Brannon, Cleveland Clinic Children's Hospital for Rehabilitation; Kristen Buchannan, Cleveland Clinic Chil

This pre-conference instructional course seeks to accomplish three primary objectives: 1) describe the importance of interprofessionalism in clinical care, 2) discuss best practices for integrating team members of varied disciplines to enhance team effectiveness and improve patient outcomes and 3) identify at least 2 strategies that can be used to optimize clinical outcomes through interprofessionalism in your specific setting. The structure of the workshop will include lecture driven education, small group activity, and question and answer section that will actively engage the audience to enhance translation of skills to each participants work environment and discipline.