

Date	Start Time	End Time	Title	Objective 1	Objective 2	Objective 3	Objective 4	Objective 5
10/10/2012	8:00	12:00	Emotions in Check and Problem Solved! Metacognitive Interventions for Individuals with Brain Injury: A Training Workshop	Discuss the theoretical foundation of a problem-solving and emotional regulation intervention for neurorehabilitation patients with executive functioning impairments	Describe two evidence-based interventions to improve executive functioning and emotional regulation with individuals with neurocognitive deficits	Discuss facilitators and barriers to treatment of executive dysfunction		
10/10/2012	8:00	12:00	Innovations in Stroke Rehabilitation-Part I					
10/10/2012	8:00	12:00	Innovations in Stroke Rehabilitation-Part I	Recognize the variations in who gets Inpatient Rehabilitation and the outcomes achieved after an IRF stay.	Discuss current evidence about intensity in the IRF setting.	Identify possible and practical ways to address intensity in clinical IRF practice.		
10/10/2012	8:00	12:00	Innovations in Stroke Rehabilitation-Part I	Identify why yoga may be a viable post-stroke intervention	Describe the need for a post-stroke balance intervention	Discuss the differences in balance and other outcomes in regards to altered intensity, duration, and frequency of		
10/10/2012	8:00	12:00	Innovations in Stroke Rehabilitation-Part I	Define what is meant by intensity of therapy.	Recognize the importance of therapy intensity in stroke rehabilitation.	Describe the evidence for therapy intensity in stroke rehabilitation.	Recognize the barriers and facilitators to maximizing therapy intensity.	
10/10/2012	13:00	17:00	Innovations in Stroke Rehabilitation Part 2	Describe why context is important when assessing executive function;	Identify at least 3 assessments that can be account for context including the Multiple Errands Test	Explain the Stroke-Specific Executive Function Toolkit		
10/10/2012	13:00	17:00	Innovations in Stroke Rehabilitation Part 2	Identify the visual pathways from retina to cortex	Describe the visual processing streams	Define key aspects of ocular or eye movement & Define key aspects of visual rehabilitation	Recognize the idea of coding and motor planning specificity within visual system and limb-effector or reaching system	Explain novel modes and mediums to study these various aspects within stroke patients
10/10/2012	13:00	17:00	Innovations in Stroke Rehabilitation Part 2	Describe the impact of cognitive impairments on recovery after stroke	Discuss the impact of cognitive impairments on rehabilitation after stroke	Identify domains of cognitive impairment associated with disability		
10/10/2012	13:00	17:00	Innovations in Stroke Rehabilitation Part 2	Describe three general approaches to aphasia rehabilitation.	Explain current research trends in semantic treatments for aphasia.	Explain the role of augmentative and alternative communication in aphasia	Explain the principles underlying constraint induced language therapy.	

10/10/2012	13:00	17:00	Innovations in Stroke Rehabilitation Part 2	Discuss the current state of rehabilitation research supporting practical strategies addressing cognition and vision impairments after stroke.	Discuss the evidence describing the overall influences of cognitive impairments on rehabilitation outcomes, as well as the effects of early intervention to ameliorate these influences.	Discuss state of the art methods for assessing and treating impairments in executive functions, language, and vision.	
10/13/2012	11:30	15:30	TBI Practice-Based Evidence Preliminary Study Findings: Opening the Black Box of TBI Rehabilitation	Identify treatments given to patients and outcomes in the TBI-PBE study	Describe how treatments (activities, medications, nutritional support) differ by age group	Describe how outcomes differ by age group	
10/13/2012	11:30	15:30	TBI Practice-Based Evidence Preliminary Study Findings: Opening the Black Box of TBI Rehabilitation	Identify patient characteristics that predict discipline-specific therapy time/week and level of effort for patients in TBI-PBE study.	Identify injury characteristics that predict discipline-specific therapy time/week and level of effort for patients in TBI-PBE study.	Identify non-therapy ancillaries and sites that predict discipline-specific therapy time/week and level of effort for patients in TBI-PBE study.	Interpret implications for rehabilitation practice.
10/13/2012	11:30	15:30	TBI Practice-Based Evidence Preliminary Study Findings: Opening the Black Box of TBI Rehabilitation	Identify patient characteristics that predict total therapy time/stay and /week, and LOS for patients in the TBI-PBE study.	Identify injury characteristics that predict total therapy time/stay and /week, and LOS for patients in the TBI-PBE study.	Identify non-therapy ancillaries and sites that predict total therapy time/stay and /week, and LOS for patients in the TBI-PBE study.	Interpret implications for rehabilitation practice.
10/13/2012	11:30	15:30	TBI Practice-Based Evidence Preliminary Study Findings: Opening the Black Box of TBI Rehabilitation	Identify characteristics of patients and their injuries in the TBI-PBE study.	Describe how patient characteristics differ by age group	Describe how injury characteristics differ by age group	
10/13/2012	11:30	15:30	TBI Practice-Based Evidence Preliminary Study Findings: Opening the Black Box of TBI Rehabilitation	Describe the TBI-PBE study design and database including discipline POC and ADM data elements	Discuss univariate and multivariate findings regarding important patient, injury, treatment, and other predictors of short-term (at discharge) and long-term (1-year follow-up) outcomes, separately for various disciplines	List variables to include (outcomes, predictors, sample limiters) to improve future analyses	Describe implications for rehabilitation practice treating TBI patients
10/10/2012	8:00	12:00	An Update on Rehabilitation in Multiple Sclerosis	Describe MS symptoms and their prevalence	Describe tools used to assess MS symptoms in the rehab setting	Discuss appropriate rehab interventions for MS symptomology	Identify the evidence behind symptomatic treatment interventions

10/10/2012	8:00	12:00	An Update on Rehabilitation in Multiple Sclerosis	Define the basic epidemiology and clinical course of multiple sclerosis.	Describe and apply techniques for the non-pharmacologic management of MS symptoms.	Discuss how newer technologies apply to rehabilitation in MS.	Identify and integrate concepts of balance retraining in MS into clinical practice.	
10/10/2012	13:00	17:00	Introduction to Individual Growth Curve Analysis	Describe cognitive rehabilitation strategies for Executive Functions	Describe strategies for setting goals and Identify components of effective goals and measuring client progress.	Describe techniques for tailoring evidence-based interventions for executive dysfunction to meet the needs of individual patients.		
10/10/2012	13:00	17:00	Introduction to Individual Growth Curve Analysis	Discuss the Basic Individual Growth Curve Analysis (IGC).	Describe various software packages that perform IGC analysis.	Discuss current research utilizing IGC in the field of rehabilitation medicine.	Explain some advanced topics in IGC analysis.	
10/13/2012	11:30	15:30	Differential Diagnosis in Dizziness	Discuss the evaluation process to determine if the cause of balance dysfunction is of central origin or a peripheral insult	Identify presentations of nystagmus and be able to formulate a differential diagnosis based on your observation	Recognize central disorders that can cause dizziness and strategies to manage symptoms and improve balance	Recognize cervical involvement in balance disorders and develop appropriate screening, evaluation and treatment techniques if needed	Discuss appropriate outcome measures to show improvement in both balance and vestibular function
10/10/2012	13:00	17:00	Assessment and Treatment of Emotional Recognition Impairment after Brain Injury	Discuss the neural processes of emotion recognition and be able to list the important neural substrates.	Describe the relationship of impaired emotion recognition to empathy, interpersonal relationships and community integration.	Explain the use of the Emotion Recognition Training (ERT) software.	Cite the evidence base for the ERT program.	Discuss options when Emotion Recognition Training (ERT) progress is slow or stalled.
10/10/2012	13:00	17:00	Instrumentation of Clinical Balance and Gait Tests For Rehabilitation Assessment	Identify the need for and barriers to objective measures of balance and gait for rehabilitation.	Describe key clinimetrics for useful instrumented tests and to demonstrate balance and gait tests using body-worn inertial sensors.	Discuss current research on validity, reliability and sensitivity of instrumented mobility tests and how it applies to clinical rehabilitation of patients with neurologic disorders		
10/10/2012	8:00	12:00	Management Conundrums Among Patients with Severe TBI: Ethical Considerations and Practice	Identify 3 ethical issues surrounding management of severe TBI	Identify methods/resources for peer consultation and ethics consultation	Discuss key components of conveying ethical conundrums to families of survivors		
10/10/2012	8:00	12:00	Evidence, Theory and Experience: Implementing Evidence into Rehabilitation Practice	Describe theories and practice associated with change at the individual and organizational levels and individual, organizational, and environmental facilitators and barriers to change commonly reported in the literature	Discuss organizational measures of culture and climate that impact the success of change initiatives, and analyze change initiatives in terms of major theories of organizational development	Identify individual, group, and organizational level variables that effect change management initiatives, understand and apply related terms including stakeholders, change agents, local champions, opinion leaders, and knowledge brokers	Describe the role of knowledge translation in organizational change and evaluate barriers and facilitators for a change in practice relevant to their organizational context	Identify and match strategies to implement a practice change relevant to their clinical and/or organizational context

10/10/2012	13:00	17:00	Behavioral Measuring and Monitoring to Improve Patient Outcomes: An Evidence-based Meta-Practice	Describe the basic principles of MSM: objectivity, reliability, validity, consistency, utility	Discuss how to use behavioral metrics to guide diagnostic assessment, prognosis and treatment planning in patients with disorders of consciousness.	Identify 3 single subject designs, and distinguish fluency training from mastery training.	Discuss the principles for describing specific levels of goal achievement in Goal Attainment Scaling and apply these principles in developing functional interdisciplinary goals in clinical settings and transition plans.	Describe the guiding measurement principles and available technologies associated with self-management of chronic health problems.
10/13/2012	11:30	15:30	Brain Injury Coping Skills (BICS) Workshop: An intervention for survivors of brain injury and caregivers	Cite results of evidenced-based BICS studies.	Explain the various Modules used in BICS.	Discuss a clinical framework for managing challenges with anger control, fatigue and sleep disturbance, memory problems, impulsivity, and lack of motivation.	Describe cognitive-behavioral strategies adapted to individuals with BI.	Discuss guidelines for facilitating the BICS group intervention.
10/12/2012	7:15	8:15	The Clinical Applications of Pediatric Rehabilitation Research from Junior Investigators in the Field.	Describe how features of neurological examination and neuroimaging may inform understanding of real-world function in children with traumatic brain injury.	Describe the strengths and limitations of genomics to predict cognitive and behavioral outcomes after pediatric TBI and describe how genomics may be used in the future to individualize management after injury.	Discuss how children with disabilities and their families interact with the health care system and how these experiences impact day to day care.		
10/12/2012	7:15	8:15	Activity-Based Therapy for Recovery of Walking in Individuals with Chronic Spinal Cord Injury: Results from a Randomized Clinical Trial	Discuss exercise interventions used in activity-based therapy and their effectiveness in improving strength, conditioning, and independent functioning;	Describe clinical algorithms used to tailor interventions to individual participants' baseline functioning;	Discuss the impact of activity-based therapy on recovery of walking, activities of daily living, community participation, cardiovascular health, and perceived quality of life.	Recognize participant characteristics associated with positive response to activity-based interventions and long term durability of outcomes;	Recognize limitations of randomized clinical trials in evaluating clinical effectiveness and generalizability of activity-based therapy.
10/12/2012	15:30	17:00	Wrestling with Hypnos: Sleep, wake, and fatigue after TBI	Define sleep architecture and describe its measurement	Describe post-TBI sleep/wake/fatigue issues	Describe key problems in TBI-related sleep/wake/fatigue	Describe the relationship between insomnia and fatigue	
10/11/2012	13:30	15:00	Rehabilitation after knee and hip arthroplasty: current issues and concepts of care	Identify which physical therapy rehabilitation approaches are most effective after hip or knee arthroplasty	Identify the evidence-based knowledge-practice gaps in the area	Discuss elements of rehabilitation after knee and hip arthroplasty		
10/11/2012	13:30	15:00	Rehabilitation after knee and hip arthroplasty: current issues and concepts of care	Describe current concepts concerning exercise prescription in the area of knee and hip arthroplasty	Describe novel service delivery models (eg Telerehabilitation) for rehabilitation post arthroplasty	Identify current issues and concepts of care in the area of knee and hip arthroplasty		
10/11/2012	13:30	15:00	Rehabilitation after knee and hip arthroplasty: current issues and concepts of care	Identify which physical therapy rehabilitation approaches are most effective after hip or knee arthroplasty	Identify practice gaps in the area of hip or knee	Describe current issues and concepts of care in		

10/11/2012	13:30	15:00	Rehabilitation after knee and hip arthroplasty: current issues and concepts of care	Discuss what is known about patient preference for therapy after knee or hip arthroplasty	Describe what is not known about patient preference for therapy after knee or hip arthroplasty	Recognize patient preferences for rehabilitation after arthroplasty		
10/11/2012	13:30	15:00	Measuring rehabilitation care across the continuum: How will we know if we're meeting patients' needs?	Describe the current status of quality metrics for acute hospital-based rehabilitation and acute-to-post-acute transitional care for adult patients who have experienced a stroke.	Discuss quality metrics that may be used for public reporting and value-based purchasing (i.e. pay-for-performance) for inpatient rehabilitation facilities.	Discuss the reliability and validity of using the Neuro-QOL (quality of life) short forms to measure aspects of health-related quality of life for community-dwelling persons with stroke.		
10/12/2012	13:30	15:00	Health and Fitness Benefits of Functional Electrical Stimulation for People with SCI	Discuss the current literature on the benefits of FES for health and fitness for various injury levels and AIS classifications of SCI.	Discuss the current gaps in the literature in regard to FES.	Identify FES intervention guidelines that can be applied in the clinic.		
10/13/2012	8:30	10:00	Putting TBI Common Data Elements into Practice	Describe the NIH Common Data Elements for TBI project	Discuss the practical world implications of the NIH CDE project for the future of TBI research and clinical care.	Explain the new emerging outcomes measures that are underdevelopment and how these might be incorporated as new CDEs	Discuss the real world implications for using CDE with military personnel and wounded warriors	Describe the Federated database being developed to track CDEs in TBI research
10/13/2012	8:30	10:00	Strategy Use in Cognitive Rehabilitation	Describe the theoretical rationale for using the CO-OP approach with adults with executive dysfunction (ED)	Identify 3 key ingredients in the CO-OP approach for adults with ED	Explain how this approach differs from other strategy training approaches		
10/13/2012	8:30	10:00	Strategy Use in Cognitive Rehabilitation	Discuss the meaning of culture and its importance to rehabilitation	Identify culturally-sensitive interventions	Recognize the importance of implementing culturally-sensitive interventions in cognitive rehabilitation		
10/13/2012	8:30	10:00	Strategy Use in Cognitive Rehabilitation	Identify methods to facilitate carryover of strategies across activities	Describe how to structure intervention, along a transfer continuum	Discuss the importance of strategies in rehabilitation		
10/13/2012	8:30	10:00	Strategy Use in Cognitive Rehabilitation	Describe new evidence to support the use of strategies in cognitive rehabilitation	Discuss methods to facilitate carryover of strategies across activities	Identify three cultural barriers that may hinder the use of strategies in rehabilitation	Define key principles of the CO-OP approach to strategy training and the evidence supporting its use in adults with ABI	
10/11/2012	13:30	15:00	Recovery of aphasia and timing of language treatment	Describe the recovery pattern of linguistic and nonlinguistic cognitive deficits in stroke patients with aphasia	Explain the evidence for the application of MIT (Melodic Intonation Therapy) in the subacute and chronic phase of stroke	Discuss the neural reorganisation underlying language recovery after stroke	List the arguments pro and contra intensive language treatment in the first months post stroke	

10/12/2012	15:30	17:00	Traumatic Brain Injury Research: A Public Health Perspective	Identify areas of ongoing research involving TBI undertaken or sponsored by CDC	Discuss the representativeness of the Traumatic Brain Injury Model Systems National Database for the years 2001 to 2010	Describe epidemiology of adults with TBI who are admitted to inpatient rehabilitation in the United States between 2001 and 2010	Discuss the 5 year prevalence of health and social outcomes for adults admitted to inpatient rehabilitation in the United States between 2001 and 2007	Describe the effect of alcohol misuse on 5 year outcomes for adults admitted to inpatient rehabilitation in the United States between 2001 and 2007
10/13/2012	13:30	15:00	The science behind hope and keeping it positive in rehabilitation: Implications for rehabilitation engagement and outcomes.	Identify the role that positive psychology variables play in rehabilitation outcomes through discussion of the relevant literature	Identify the role that both traditional psychological barriers and positive psychological variables play in engagement in the rehabilitation process	Discuss potential implications of these findings for developing interventions to bolster psychological resources of rehabilitation participants		
10/12/2012	13:30	15:00	Neuro-modulatory Rehabilitation: Stroke Motor Recovery and Beyond	Discuss the clinical efficacy and neuroscientific principles underlying synergism of adjunctive cerebral neuromodulation with neuro-rehabilitation	Describe the practical issues that could shape the overall response to cerebral neuromodulation	Discuss the evidence-base for wide-ranging application of cerebral neuromodulation in rehabilitation of conditions besides motor deficits in stroke		
10/12/2012	7:15	8:15	Outcome Measurement Resources for Rehabilitation Clinicians	Identify on-line outcome measurement resources suitable for various clinical applications	Discuss the appropriate selection of websites based on clinical measurement needs	Describe the psychometric information provided by rehabilitation measurement websites		
10/11/2012	15:30	17:00	Activity-Based Resorative Therapy: From compensation to restoration	Define Activity-Based Restorative Therapy (ABRT).	Discuss the scientific background of ABRT and the effect of ABRT on the neurological system.	Identify appropriate patient selection and strategies for management of chronic complications.	Discuss therapeutic techniques central to the practice of ABRT.	
10/12/2012	10:30	12:00	How can Brain Imaging and Stimulation Inform Rehabilitation?	Discuss how neuroimaging techniques may reveal brain anatomy and physiology.	Describe how structural and functional changes in the brain are linked with recovery of function and the capacity for (re)learning.	Identify rehabilitation implications from neuroimaging research		
10/11/2012	15:30	17:00	Innovative SCIREhab study reveals relationships of patient characteristics and treatment interventions with outcomes after SCI	Discuss the application of Practice Based Evidence research methodology in rehabilitation research as demonstrated in the SCIREhab project and its discipline-specific taxonomies	Describe associations of treatments, controlling for patient characteristics, with outcomes at discharge and 1-year post injury	Restate the importance of identifying clinically homogenous subgroups of patients and their relevant outcomes when associating discipline-specific treatments, along with patient characteristics, with the outcome		

10/11/2012	15:30	17:00	Changing Practice to Improve Cardiovascular Health and Promote Active Lifestyles after Stroke	Discuss the key evidence-based physiological and functional benefits of structured exercise after stroke from a cardiovascular, metabolic, and brain health perspective	Identify the key elements of the new Commission on Accreditation of Rehabilitation Facilities (CARF-International) guidelines for best stroke care, and discuss its implications for clinical practice and patient care	Discuss how the principles of exercise testing for the general population can be applied to people with stroke, and what adaptations may be required to accommodate the needs of people with neurological impairment	Describe the interaction between early post-stroke exercise and cardiovascular health and physical function	Discuss practical methods for increasing physical activity post-stroke in one's local health care or community setting
10/12/2012	7:15	8:45	Cognitive Rehabilitation in the Netherlands: recent developments	Recognize metacognitive aspects of cognitive rehabilitation.	Discuss the results of a RCT with 12 months follow up on Memory Self Efficacy training in chronic stroke patients.	Describe a novel RCT on Problem Solving Therapy after stroke.	Describe the current developments of Metacognitive rehabilitation in the Netherlands	
10/12/2012	7:15	8:45	Cognitive Rehabilitation in the Netherlands: recent developments	Recognize metacognitive aspects of cognitive rehabilitation.	Describe the results of a RCT with 12 months follow up on Memory Self Efficacy training in chronic stroke patients.	Discuss a novel RCT on Problem Solving Therapy after stroke.	List recent developments in research on self-awareness, learning, and rehabilitation in the Netherlands.	
10/12/2012	7:15	8:45	Cognitive Rehabilitation in the Netherlands: recent developments	Describe results from an online survey amongst Dutch rehabilitation clinicians on assessment of self-awareness, learning ability and learning style, and importance for rehabilitation outcome	Discuss new assessment tools for self-awareness, learning style and learning ability	Cite first results from a pilot study on reliability and validity of the new tools	Describe the design and research objectives of a longitudinal cohort study on the influence of self-awareness and learning on rehabilitation outcomes	List recent developments in research on self-awareness, learning and rehabilitation in the Netherlands.
10/12/2012	7:15	8:45	Cognitive Rehabilitation in the Netherlands: recent developments	Recognize metacognitive aspects of cognitive rehabilitation in general.	Describe the results of a RCT with 12 months follow up on Memory Self Efficacy training in chronic stroke patients.	Discuss a novel RCT on Problem Solving Therapy after stroke.	List recent developments in research on self-awareness, learning and rehabilitation in the Netherlands.	
10/12/2012	15:30	17:00	Comparative effectiveness research: an introduction for rehabilitation specialists	Describe how Comparative Effectiveness Research is applicable to rehabilitation practice	Discuss comparative effectiveness research approaches that are most useful in rehabilitation research	Describe existing data sources for comparative effectiveness research	Compare advantages and disadvantages of various approaches to the analysis of observational data used in comparative effectiveness research	Explain how systematic reviews and related methods can be used in service of comparative effectiveness research

10/12/2012	7:15	8:15	Defining what we do: I. Conceptual issues in developing a taxonomy of rehabilitation treatments	Discuss the potential roles of a rehabilitation treatments taxonomy in research, education and service delivery	Recognize the importance of classifying rehabilitation treatments on the basis of their hypothesized active ingredients, rather than target, goal, or characteristics of the treaters and their environment, and the implications of that decision	Discuss the difference between treatment theory and enablement theory	Describe the role in a rehabilitation treatments taxonomy of the following concepts: object of treatment; target of treatment; active ingredient; essential ingredient; progression
10/12/2012	8:30	10:00	Defining what we do: II. Major treatment theory groups and their role in a taxonomy of rehabilitation treatments	List at least five major theory groupings and the active ingredients and mechanism of action of the treatments captured in each	Explain the bases for further differentiation within the theory groupings defined to date	Identify challenges encountered in classifying treatments by their hypothesized mechanisms of action	
10/12/2012	13:30	15:00	An evidence based approach to treatment of impaired emotion recognition among individuals with TBI	Discuss the two approaches developed to train individuals with TBI to be more capable in recognizing the emotions of others.	Describe the research methods used to develop scientific evidence of efficacy for the emotion recognition interventions.	Recognize the relationship between measures of emotion recognition and the strengths and weaknesses of each measure.	Describe the relationship between improved emotion recognition and empathy
10/13/2012	11:30	13:00	Promoting healthy lifestyle across the lifespan in spinal cord injury: from pediatrics to geriatrics	Discuss the issues related to chronic secondary health conditions post SCI and the need to refocus the rehabilitation health care model to include promotion of a healthy lifestyle.	Compare and contrast unique health care prevention and promotion needs of individuals with SCI across the lifespan	Discuss the current technologies available that may be appropriate for use in health promotion for individuals with SCI	Identify the weaknesses in community fitness centers for individuals with SCI and discuss possible ways to overcome some of these weaknesses
10/11/2012	15:30	17:00	A Novel Targeted Sensory Reinnervation Method to Improve Function of Myoelectric Prostheses after Arm Amputation	Describe a new peripheral nerve reconstruction technique to restore motor and sensory function of amputated nerves.	Discuss the motor and sensory outcomes of this procedure and interpret a proof of concept study showing that physiologically appropriate hand sensation can be restored after upper limb amputation.	Describe a new robotic training tool for utility in research investigation and clinical assessment and training.	Recognize how advancements in real-time machine learning could enable a move towards smart prostheses with intelligent, adaptive control.
10/13/2012	11:30	13:00	Treating frailty using a rehabilitation approach: providing an effective program	Describe the conceptual basis of a rehabilitation approach to frailty defined phenotypically	Explain the implementation a multifactorial interdisciplinary intervention to treat frailty	Discuss the ability to evaluate a program for treatment of frailty	Describe the adaptation of a frailty treatment program to the circumstances of the clinical practice of the attendee

10/13/2012	8:30	10:00	Comparing Of Function Across Post-Acute Rehabilitation Settings After Co-Calibration Of Self-Care And Mobility Items.	Describe differences in Medicare requirements for home health, skilled nursing, and inpatient rehabilitation settings including facility requirements, payment models, and assessment tools.	Discuss the results of the co-calibration of functional status items and the strengths and limitations of 1- and 2-parameter models.	Describe the differences in functional status across post-acute care settings at both admission and discharge, and the implications for comparing recovery of function across settings.		
10/11/2012	13:30	15:00	Neural Control of Movement after Spinal Cord Injury	Discuss role of exercise therapy for upper extremity function after stroke and spinal cord injury (SCI)	Describe role of functional electrical stimulation and exercise therapy	Cite new methods of providing in-home tele-rehabilitation	Compare surface and implanted motor neuroprostheses	
10/11/2012	13:30	15:00	Neural Control of Movement after Spinal Cord Injury	Discuss the assessments measures available for physiological outcome after human SCI.	Describe adaptations in cortical and spinal cord mechanisms after human SCI.	Identify advantages and limitations of the use of repeated exercise therapy combined with functional electrical stimulation and robotics to enhance upper- and lower limb motor function in humans with SCI		
10/12/2012	13:30	15:00	Validation of new measures of patient reported outcomes for rehabilitation medicine	Discuss the PROMIS, SCI-QOL, and TBI-QOL measurement systems and the advances that IRT and CAT based measurement offer to rehabilitation medicine.	Describe the convergent and discriminant Validity of the PROMIS for use with children with CP	Recognize the construct validity of the SCI-QOL measurement scales.	Discuss the factor structure of TBI-QOL fatigue measure and understand its relation to 3 criterion fatigue measurement scales.	Describe how linking and equating methodology allows direct comparison of PHQ-9 and PROMIS, SCI-QOL, or TBI-QOL Depression and GAD-7 and Anxiety scores.
10/12/2012	7:15	8:15	Multi-Disciplinary Care of the Multiple Sclerosis Patient, Part I	Discuss current and emerging drug therapies for treating MS	Describe evidence basis for exercise therapies in MS	Identify areas of needed research for improvement of function in MS		
10/12/2012	7:15	8:15	Multi-Disciplinary Care of the Multiple Sclerosis Patient, Part I	Identify two new drug therapies for treatment of multiple sclerosis.	Cite evidence basis for exercise therapies in MS.	Identify two methods of measuring functional improvement in MS.		
10/12/2012	8:30	10:00	Multi-Disciplinary Care of the Multiple Sclerosis Patient, Part II	Identify practical advice for implementing a medical home concept for this patient group	Discuss how technology (tele-medicine) can improve care for MS patients	Explain limitations of current methods of measuring disease progression in MS		
10/13/2012	11:30	13:00	Goal Attainment Scaling as Assessment and Treatment: Concepts and Applications for Brain Injury Rehabilitation	Describe the method of developing goal statements for Goal Attainment Scaling.	Discuss the principles for describing specific levels of goal achievement in Goal Attainment Scaling.	Identify the role of these principles in developing functional interdisciplinary goals in clinical settings and transition plans		

10/13/2012	11:30	13:00	Goal Attainment Scaling as Assessment and Treatment: Concepts and Applications for Brain Injury Rehabilitation	Describe at least 2 advantages and 1 drawback of GAS as contrasted with standardized outcome measurement.	Describe at least 3 methods for standardizing the use of GAS to allow consistency in goal-setting and outcomes assessment across participants and across sites in a multi-center trial.	Discuss the use of GAS as a self review strategy for clients in addition to its more traditional use as a tool for clinicians to evaluate goal attainment.		
10/11/2012	15:30	17:00	Risk-adjusted Models for Inpatient Rehabilitation Quality Metrics	Describe challenges in developing IRF quality metrics	Compare and contrast different risk adjustment approaches for an IRF readmission measure	Describe data specification options for a functional status quality metric		
10/11/2012	13:30	15:00	Development and Initial Evaluation of the SCI-CAT Functional Assessment Instrument	Summarize the advantages of using a CAT approach to measure function in adults and children with SCI	Describe the domains assessed by the SCI-CAT	Compare SCI-CAT and current functional measures used in SCI	Discuss the advantages of using a measure that can assess function across the lifespan	Explain how innovative adult and pediatric SCI-CAT instruments can be incorporated to research and clinical practice
10/12/2012	8:30	10:00	Promoting Adoption of Outcomes Data Collection in Rehabilitation Practice	Describe barriers and facilitators to adoption of outcome instruments in rehabilitation practice.	Discuss tools that can be used by entry-level clinicians to acquire information about outcome measurement.	Discuss resources that can be used by established practioners working in interdisciplinary settings to promote regular use of outcome measurement tools	Discuss the merits and limitations of educational resources aimed at changing practice.	
10/12/2012	8:30	10:00	Exercise for Mood and Cognition: Implications for Rehabilitation Populations	Discuss the neurophysiological mechanisms thought to underlie exercise's effect on mood and cognition.	Describe cutting-edge research involving exercise, mood, and cognition in TBI and MS.	Recognize the role exercise may play in the treatment of mood and cognitive disorders in patients with chronic neurological disease.	Discuss the risks and benefits of implementing exercise in patients with chronic neurological disease.	
10/12/2012	15:30	17:00	Restorative Neurology of Spinal Cord Injury: Neurobiological Problem and Novel Methods for Assessment and Intervention	Discuss the nature of the post-injury spinal cord in terms of a new anatomy and physiology and characterize how that would impact sensorimotor function.	Describe how neurophysiological profiles can be generated and followed over time for individuals with SCI.	Describe neurosurgical efforts to restore sensorimotor function after SCI.	Describe how neurohabilitation interventions may be causing neural plasticity and how those interventions could be augmented by spinal cord stimulation.	
10/13/2012	13:30	15:00	Women living with TBI: What do we know and what do we *need* to know	Describe current international efforts to promote awareness of the unique issues facing women with TBI	Discuss the gender differences in prognosis and recovery using data from large administrative and/or research data-bases	Explain a consumer/stakeholder perspective of priorities for research and practice relevant to women and TBI.	Discuss implications for evidence-based treatment approaches relevant to women with TBI	Identify priorities for future research efforts and further collaboration
10/13/2012	13:30	15:00	Women living with TBI: What do we know and what do we *need* to know	Discuss gaps in knowledge regarding women living with TBI	Describe areas where more information is needed regarding women living with TBI	Identify areas for future research for women living with TBI		

10/13/2012	8:30	10:00	a. Improving cognition after brain injury: Advances in the neuroscience of cognitive training	Identify the characteristics of the cohort studied in the evaluation of a cognitive therapy for executive function.	Discuss the intervention used in the study.	Describe the results and implications of the study.		
10/13/2012	8:30	10:00	a. Improving cognition after brain injury: Advances in the neuroscience of cognitive training	Describe gaps in available rehabilitation interventions designed to improve higher order cognitive functions important for goal-directed functioning after acquired brain injuries and describe neural-cognitive targets important for interventions.	Describe at least 2 novel neuroscience-driven cognitive training interventions targeting attention regulation, executive control and strategic reasoning.	Describe current evidence for understanding the effects and mechanisms of training to improve attention regulation, executive control and strategic reasoning.		
10/13/2012	8:30	10:00	Motor Control in SCI: The Utility of Electromyography in the Clinic and the Lab	Discuss the role and value of EMG in assessment of motor control in people with SCI	Describe example two research applications of EMG in the SCI patient population	Define benefits and barriers to translating the application of EMG in the clinical setting	Describe considerations for use and interpretation of EMG data in both the research and clinical settings.	
10/11/2012	13:30	15:00	Chautauqua Lecture	Discuss the range of issues (e.g., financial, ethical, social) that influence the decision to end rehabilitation treatment.	Describe the perspective of patients, families and payors on how they make the decision to end rehabilitation treatment.	Discuss what evidence and scientific data we should use and how do we integrate this with ethical and social issues.	Recognize definitions of medical necessity that meet the needs of all stakeholders.	Identify when to end rehabilitation treatment as it relates to benefit design in the Affordable Care Act.
10/11/2012	8:00	10:00	Welcome Remarks & ICORD Plenary Session:SCI Rehabilitation Research in the Great Northwest	Describe the complexity of autonomic nervous system.	Discuss the latest trends in morbidity and mortality of individuals with spinal cord injury.	Restate the International Autonomic Standards for evaluation of individuals with spinal cord injury.	Describe various conditions in disordered autonomic control following spinal cord injury.	
10/11/2012	8:00	10:00	Welcome Remarks & ICORD Plenary Session:SCI Rehabilitation Research in the Great Northwest	Recognize the difficulties in conducting clinical trials for acute SCI.	Discuss how biomarkers may facilitate the conduct of clinical trials for acute SCI.	Describe the challenge of determining what warrants translation 'from bench to bedside'.		
10/11/2012	8:00	10:00	Welcome Remarks & ICORD Plenary Session:SCI Rehabilitation Research in the Great Northwest	Describe gaps in spinal cord injury rehabilitation research	List autonomic dysfunctions following spinal cord injury	Explain the International Autonomic Standards for Evaluation of autonomic dysfunctions following spinal cord injury	Discuss the SCIRE project (www.scireproject.com)	
10/11/2012	10:30	12:00	Rosenthal Lectures: Reconceptualizing Brain Injury Rehabilitation in the Future: A peek Over the Horizon	Identify at least two trends or developments that will have substantial impact on rehabilitation in the next 10 years.	Describe how at least two principles of neuroplasticity derived from animal research can be applied in a rehabilitation context	Identify at least two new technologies that can be used to expand rehabilitation beyond the clinic and into community	Explain the implications and changes in rehabilitation practice that would derive from a conceptualization of brain injury as a chronic condition	Describe the essential elements of precision outcome measurement and the implications of this approach for rehabilitation goal setting and practice

10/11/2012	10:30	12:00	Rosenthal Lectures: Reconceptualizing Brain Injury Rehabilitation in the Future: A peek Over the Horizon	Identify at least two trends or developments that will have substantial impact on rehabilitation in the next 10 years.	Describe how at least two principles of neuroplasticity derived from animal research can be applied in a rehabilitation context.	Identify at least two new technologies that can be used to expand rehabilitation beyond the clinic and into community.	Explain the implications and changes in rehabilitation practice that would derive from a conceptualization of brain injury as a chronic condition.	Describe the essential elements of precision outcome measurement and the implications of this approach for rehabilitation goal setting and practice.
10/11/2012	12:00	13:30	Brucker Int'l Luncheon	comprehend the need for cross- cultural quality of life studies	identify the possibilities for cross-cultural quality of life studies	identify the limitations of cross- cultural quality of life studies		
10/13/2012	10:30	11:30	ACRM John Stanley Coulter Lecture:Neuromodulation of Spinal Circuitry for Recovery after Neurologic Injury	Discuss the clinical impact of activity-based therapy on recovery of balance and walking after spinal cord injury.	Identify the levels of evidence and critical outcome measures needed to implement evidence based medicine for rehabilitation and document recovery in the clinic.	Describe the novel findings of restoration of voluntary movement in individuals with motor complete SCI with epidural stimulation.		
10/12/2012	15:30	17:00	Stroke NWG: Translating Research into Clinical Practice: the GRASP Program	Describe the development of the GRASP program and evidence resulting from the multi-site clinical trial	Discuss barriers and facilitators to implementing the GRASP program in clinical practice	Describe implementation strategies to facilitate intensive task specific practice in clinical practice		
10/12/2012	13:30	15:00	Update on a Federal Interagency Initiative to Establish Recommendations for Use of Common Data Elements in TBI Research	Describe the history and rationale underlying the federal interagency initiative to develop common data elements for traumatic brain injury.	Explain the operational procedures employed to develop the CDE recommendations.	Identify the implications of the current set of common data elements for TBI research and practice.		
10/9/2012	8:00	17:00	Check Your Assumptions at the Door: The Importance of Patient/Client-Centered Care	Discuss the significant role of self-efficacy related to walking in the community following stroke and apply this knowledge to select evidence- based interventions.	Identify reliable and valid outcome measures of physical, environmental and personal factors as well as the subjective and the objective perspectives of participation in community walking.	Discuss how avoidance of physical features in the environment may impact if and where survivors of stroke walk in the community and apply this knowledge to select evidence-based interventions.	Identify physical, environmental and personal factors that are associated with limitations in walking in the community following stroke.	Discuss the concept and measurement of participation in community walking following stroke from both the insider (subjective) and the outsider (objective) perspectives.
10/12/2012	14:30	14:45	Executive dysfunction immediately post mild-stroke	Identify commonly used methods to identify executive function deficits	Recognize the role of executive function in successful transition back into everyday life following mild stroke	Identify the rehabilitation challenges associated with the mild stroke population		

10/9/2012	8:00	17:00	Therapeutic gains after utilization of a foot drop stimulator in stroke extend beyond the ankle joint: A case report	Identify key technologically driven mobility outcome measures that can be utilized to measure mobility interventions in individuals with stroke.	Identify the key elements of gait (kinematics and EMG) that may be affected by a peroneal nerve stimulator in individuals with hemiplegia secondary to stroke.	Discuss the utility of electrical stimulation (FES) device for foot drop in individuals with hemiplegia secondary to stroke.
10/9/2012	8:00	17:00	The association between attention and objective sleep in traumatic brain injury	Discuss statistical and clinical significance of neuropsychological impairments following traumatic brain injury	Define the nature of long-term attentional problems in traumatic brain injury	Recognize the interaction between attention impairments and sleep-wake disturbances after traumatic brain injury
10/9/2012	8:00	17:00	Effects of dynamic-intensive exercise for gait ability in chronic stroke patients -Randomized controlled trial-	Discuss the dynamic-intensive exercise training model.	Describe how the dynamic-intensive exercise model was effective in improving the gait ability in chronic stroke patients.	Discuss improvements in gait abilities after the 1st month of dynamic-intensive exercise in chronic stroke patients.
10/12/2012	13:30	13:45	Effectiveness of Home/Community-based Rehabilitation for 738 Patients with Stroke: Evidence of a Dose-Response Relationship	Discuss the key features of home and community based rehabilitation	Describe the postacute rehabilitation treatment responsiveness of the Mayo-Portland Adaptability Inventory (MPAI-4) for individuals with stroke	Discuss the effectiveness of home/community based rehabilitation for patients with stroke
10/9/2012	8:00	17:00	The Impact of a Stroke Education Program on Patient's Stroke Knowledge and their Change of Stroke Risk Behaviors	Discuss the importance of providing an interdisciplinary stroke education program to stroke patients to increase their understanding of secondary stroke prevention	Describe the effect of the Stages of Change model and motivational interviewing on reducing stroke risk behavior	Explain the positive results of providing a stroke education and wellness program including the outcome of a 3-month follow-up
10/9/2012	8:00	17:00	The Impact of a Stroke Education Program on Patient's Stroke Knowledge and their Change of Stroke Risk Behaviors	Discuss the importance of providing an interdisciplinary stroke education program to stroke patients to increase their understanding of secondary stroke prevention	Describe the effect of the Stages of Change model and motivational interviewing on reducing stroke risk behavior	Explain the positive results of providing a stroke education and wellness program including the outcome of a 3-month follow-up
10/12/2012	13:45	14:00	Post-stroke exercise: effects on cardiovascular risk, fitness and function	Describe the benefits of aerobic exercise on improved cardiac function in people with stroke	Identify that exercise after stroke, even at lower intensities, may be beneficial in improving cardiovascular risk	Discuss the importance of increasing levels of physical activity among individuals living in the community with stroke

10/9/2012	8:00	17:00	Exploring interdisciplinary rehabilitation service delivery for adolescents following concussion	Describe the characteristics of adolescents with concussion	Explain the early intervention service delivery model of interdisciplinary care	Discuss models of rehabilitation service delivery after concussions	
10/13/2012	8:00	8:15	NIDRR: Elucidating the neurobiology of self-reported fatigue in Multiple Sclerosis (MS): the interplay of networks	Describe fractional anisotropy	Discuss Diffusion Tensor Imaging	Discuss Diffusion Tensor Imaging and it's implications with fatigue and multiple Sclerosis	
10/12/2012	16:30	16:45	An Experimental Study of the Impacts of Assistive Technology on Users and their Informal Caregivers	Describe the effect of an inclusive and targeted approach to assistive technology provision on assistance users.	Describe the effect of an inclusive and targeted approach to assistive technology provision on informal caregivers.	Explain how these findings might be applied clinically.	Identify the policy implications of this research.
10/12/2012	16:00	16:15	Tongue Drive System: Evaluation of Novel Technology and Comparison to Existing Assistive Technology Control Methods	Describe the Tongue Drive System technology	Describe the methods of testing the effectiveness of the Tongue Drive System	Describe the comparison in performance between the Tongue Drive System and existing assistive technology control methods	
10/9/2012	8:00	17:00	In vivo characterization of white matter myelin content after stroke using multicomponent T2 relaxation imaging	Discuss examples of future research applications of these findings	Recognize that myelin can be quantitatively measured after stroke and reductions in myelin are observed in comparison to healthy individuals	Describe the basic principles of in vivo myelin imaging	
10/12/2012	14:15	14:30	Patients with hemi-spatial neglect are more prone to limb spasticity, but the former prolong hospital stay	Discuss the occurrence of individuals with left-sided spasticity that show neglect	Describe the need for further sophisticated neuroimaging to localize the lesion in spasticity and neglect	Cite that spasticity and hemispatial neglect tend to occur in post -stroke survivors	Predict that neglect contributes more to the length of stay in hospital Discuss the need for further prospective multicentre study to develop a dose-response relationship between neglect and spasticity
10/12/2012	9:15	9:30	Association of Acute Neuroimaging Abnormalities and Headache in the First Year after Traumatic Brain Injury	Discuss potential associations between CT imaging, headache and injury characteristics.	Describe the CT characteristics associated with early and late headache.	Identify CT scan characteristics that are associated with post-traumatic headache.	
10/12/2012	16:45	17:00	Correlates of participation in Patient Satisfaction Survey among stroke patients of inpatient rehabilitation	Identify the independent correlates of non-participation among stroke patients in acute inpatient rehabilitation	Compare the clinical and rehabilitative characteristics between participants and non-participants of PSS	Recognize the population at risk of non-participation in Patient Satisfaction Survey during inpatient rehabilitation	

10/9/2012	8:00	17:00	Afferent Stimulation Provided by Glove Electrode during Task-specific Arm Exercise Following Stroke	Discuss the principles that support the use of task-specific arm exercise following stroke	Describe how task-specific arm exercise and sensory amplitude electrical stimulation can be combined to enhance arm function following stroke	Discuss the principles that support the use of sensory amplitude electrical stimulation following stroke	
10/9/2012	8:00	17:00	Development of an apparatus for the examination of prehension force while lifting a light-weighted object	Discuss about problem of fine motor control in elderly people	Describe a new method to examine grip and load force coordination in lifting of a very light object	Explain preliminary baseline data describing force parameters in healthy young individuals	
10/9/2012	8:00	17:00	Effect of dual-task gait training on obstacle negotiation after stroke: a case study	Discuss the potential mechanisms by which dual-task gait training may improve obstacle negotiation	Discuss the effects of dual-task gait training on obstacle crossing performance in a person post stroke	Explain how obstacle negotiation may act as an ecological correlate of a cognitive-motor dual task	
10/9/2012	8:00	17:00	Evaluation of oxidative stress and anti-oxidant biomarkers in spinal cord injury and able-bodied individuals	Describe oxidative stress and anti-oxidant processes in humans.	Discuss evidence of different oxidative stress response between people with spinal cord injury and able-bodied subjects after body weight supported treadmill walking.	Explain individuals with SCI maybe have more oxidative stress after a single body weight supported treadmill walking, and they have lower anti-oxidative capacity after one-week training compared with able-bodied subjects.	Discuss the potential confounding effects of oxidative stress associated with training.
10/9/2012	8:00	17:00	Factors Associated With Quality of Life among People with Spinal Cord Injury: The Application of the ICF Model	Discuss the ICF framework to examine the factors of quality of life	Identify the factors that influence Spinal Cord Injury (SCI) individuals quality of life	Describe the relationship between the ICF and the quality of life	
10/9/2012	8:00	17:00	The respiratory rehabilitation of long-term ventilator-dependent patients with high cervical spinal cord injuries	Explain the respiratory rehabilitation of high cervical spinal cord injury	List the problems of ventilator-dependent patients rehabilitation	Discuss the home mechanical ventilation	
10/9/2012	8:00	17:00	Pedometers to Augment the Health of Stroke Survivors: A Pilot Study	Discuss the value of pedometers post-stroke	Describe the barriers to health and fitness following stroke	Discuss how community-based interventions can be efficiently be used to enhance	
10/13/2012	8:45	9:00	NIDRR: Development and Evaluation of a Terrain Dependent Electrical Powered Wheelchair Driver Assistance System	Describe an add-on terrain dependent power wheelchair driver assistance system	Identify the optimized driving parameters for wheelchair driving on different terrains	Describe the evidence-base clinical practice for power wheelchair prescription	
10/12/2012	8:30	8:45	Cognitive-behavioral prevention of post-concussion syndrome in at-risk patients: A pilot randomized controlled trial	Explain the rationale for targeting patients who are at-risk for poor outcome from MTBI.	Identify the role for cognitive-behavioral therapy in the secondary prevention of post-concussion syndrome.	Discuss the current state of the evidence that cognitive-behavioral therapy may help prevent post-concussion syndrome.	

10/13/2012	8:30	8:45	NIDRR: EFFECTIVENESS OF OFF-AXIS TRAINING ON IMPROVING KNEE FUNCTION IN INDIVIDUALS WITH PATELLOFEMORAL PAIN	List the most common proposed mechanism(s) for the causes of patellofemoral pain	Discuss the limitations of current rehabilitation and intervention programs for patellofemoral pain	Describe how lower extremity off-axis training using a robotic elliptical trainer may reduce pain & improve function for individuals with patellofemoral pain
10/9/2012	8:00	17:00	Screening for depression after mild traumatic brain injury	Discuss the importance of screening for depression after MTBI.	Describe the ability of two questionnaires to identify patients with depression after MTBI.	Discuss how identifying patients with depression after MTBI can be used to improve clinical practice.
10/9/2012	8:00	17:00	Mild Strokes: Do community-based resources impact rates of admission to inpatient rehabilitation?	Discuss current rates of mild admission to inpatient rehabilitation	Discuss the possibility of avoidable admissions in this population	Discuss the correlation between community rehabilitation resources and these avoidable admissions
10/9/2012	8:00	17:00	Non-invasive Brain Stimulation Paired with a Novel Locomotor Training in Chronic Stroke: a Feasibility Study	Compare the locomotor training approach in this study with conventional paradigm.	Describe potential mechanism of action for using transcranial direct current stimulation to enhance cortical excitability.	Recognize the meaning of transcranial magnetic stimulation recruitment curves in terms of cortical excitability.
10/9/2012	8:00	17:00	The Development of a Patient Reported Outcome Measure of Economic Quality of Life	Describe a new patient reported outcome measure that evaluates economic quality of life.	Explain the barriers/facilitators that economic quality of life has on social participation.	Describe the methodology utilized to develop computer adaptive tests.
10/9/2012	8:00	17:00	Balance confidence following stroke rehabilitation predicts self-reported physical function and mobility 12 months later.	Recognize the limitations of using self-report measures for stroke outcomes.	Discuss the importance of confidence as a modifiable construct in stroke rehabilitation.	Describe social cognitive theory and how confidence influences rehabilitation outcomes.
10/9/2012	8:00	17:00	Improving prospective memory performance among individuals with Parkinson disease: A pilot randomized controlled trial	Describe prospective memory and its relevance to function and quality of life.	Describe the prospective memory deficits associated with Parkinson disease.	Describe potential strategies for improving prospective memory in Parkinson disease and other disorders.
10/9/2012	8:00	17:00	Assessment of Improvement of Functional Status of Chronic Guillain-Barré Syndrome with 4-Aminopyridine – Phase IIA Study	Discuss upper and lower extremity improvement in motor function and grip strength with the use of 4-aminopyridine.	Recognize limitations of a crossover designed study due to drug carryover.	Describe the safe dosing regimen of 4-aminopyridine for Guillan-Barre Syndrome.
10/9/2012	8:00	17:00	Prospective Study of Pain Questionnaires Among Hospitalized, Lower Income Hispanic Patients in North Texas	Identify principles for practical pain assessment in lower income rehabilitation population.	Recognize pain qualities (interference and severity) used in rehabilitation patient assessment.	Identify how socio-economic and literacy factors affect self-rating of pain.

10/9/2012	8:00	17:00	Callosal sensory fibre integrity is reduced in the chronic phase of stroke	Discuss future research questions which combine neuroimaging and neurophysiological techniques to enhance understanding of motor recovery post-stroke.	Describe how changes in interhemispheric interactions affect sensorimotor function post-stroke.	Identify how diffusion tensor imaging can be used to evaluate changes in white matter integrity post-stroke.
10/9/2012	8:00	17:00	Assessing lower limb static position sense and kinesthesia after SCI using a robotic exoskeleton	Recognize the role of sensory function in motor control	List the benefits of using robotic devices for assessment of sensory function	Describe why the Lokomat is a valid and reliable tool to measure lower limb proprioception
10/12/2012	9:30	9:45	A Randomized, Dual-Center Controlled Trial of Brief Intervention for Problem Alcohol Abuse in Persons With Traumatic Brain Injury	Discuss future research needed to evaluate the brief intervention in persons with TBI	Describe a brief intervention for problem alcohol use in TBI	Discuss the moderators of treatment effectiveness for brief intervention in persons with TBI
10/9/2012	8:00	17:00	Factor Analysis of the Rivermead Postconcussion Questionnaire Following Blast Exposure	Define the statistical relationship between post-traumatic symptoms and post-concussion syndrome factors following blast exposure	Describe four factors underlying post-concussion syndrome symptoms following military blast exposure	Identify potential subtypes of PCS in blast-exposed individuals
10/12/2012	8:45	9:00	Sports-related concussion/mTBI in adolescents: structural brain changes may predict clinical status	Describe the basic measures associated with diffusion tensor imaging.	Discuss the impact of concussion/mTBI on the adolescent brain.	Describe the relationship between measures in the brain and a clinical measure of function following concussion/MTBI in adolescents.
10/9/2012	8:00	17:00	Feasibility of a TBI Emergence Protocol utilizing Amantadine Hydrochloride in the Acute Polytrauma Setting	Describe the rationale and the literature supporting the use of amantadine in the treatment of TBI	Discuss the neuropharmacology and potential effects and side effects of amantadine hydrochloride	Identify the key issues when choosing neuropharmacological interventions for severe TBI in an acute polytrauma setting
10/9/2012	8:00	17:00	Depression as a Mediator of the Relation between Behavioral Disinhibition and Substance Abuse among Individuals with Traumatic Brain Injury (TBI).	Discuss whether depression mediates the relationship between behavioral disinhibition and substance abuse among adults with TBI.	Recognize the association between behavioral disinhibition, depression, and substance abuse among adults with TBI.	Describe the prevalence of behavioral disinhibition, depression, and substance abuse among adults with TBI.
10/9/2012	8:00	17:00	Hyoid movement during Stage II Food Transport from Mouth to Pharynx	Discuss the movement of the hyoid bone during stage II transport.	Explain the role of stage II transport in eating.	Define stage II transport.

10/9/2012	8:00	17:00	Development of a classification tool for measuring daily arm use after stroke	Describe the potential of a novel outcome measurement tool to clinical practice and research	Identify meaningful levels of affected arm use following stroke from the perspective of individuals living with stroke, caregivers, multidisciplinary clinicians and the literature	Describe the development process for a new outcome measurement tool that discriminates between different levels of affected arm use following stroke
10/9/2012	8:00	17:00	Comparing Patients with Mild Traumatic Brain Injury to Trauma Controls on CNS Vital Signs	Discuss performance on CNS Vital Signs performance in patients with mild traumatic brain injury when compared to an orthopedically injured trauma control group, six to eight weeks post injury	Describe frequencies of low scores on CNS Vital Signs in identifying cognitive impairment	Recognize one application of computerized cognitive testing in traumatic brain injury
10/9/2012	8:00	17:00	Positive psychological changes after spinal cord injury	Discuss positive psychological growth after trauma	Describe positive psychological growth after spinal cord injury	Discuss predictors of post traumatic growth after spinal cord injury
10/9/2012	8:00	17:00	Concurrent Validity of CNS Vital Signs in Patients with Mild Traumatic Brain Injury	Discuss the psychometric properties of CNS Vital Signs	Describe computerized cognitive testing performance and measures of premorbid intellectual ability	Explain the relation between computerized cognitive testing and traditional testing in a sample of patients with mild traumatic brain injury
10/9/2012	8:00	17:00	Quantified Neurorecovery: a pilot feasibility study of rehabilitation inpatients with movement disorders	Discuss the future directions for neurorehabilitation prescriptions which use arts technology	Recognize the feasibility/ease of using simple motion capture technology in standard inpatient movement therapy	Identify the clinical information that motion capture technology can provide to therapist and patient
10/11/2012	16:00	16:15	Extra physical therapy and occupational therapy increased physical activity levels in orthopedic rehabilitation: randomized controlled trial	Describe the physical activity patterns of people with lower limb orthopedic conditions in rehabilitation	Recognize the risks of inactivity in relation to deconditioning and functional decline and recognize the importance of preventing physical inactivity in rehabilitation	Describe the effects of providing additional weekend allied health therapy on physical activity levels Recognize the barriers to physical activity in rehabilitation and develop possible strategies to further increase physical activity
10/9/2012	8:00	17:00	The Moderating Role of Alcohol Misuse on Functioning 10+ years after Traumatic Brain Injury.	Describe the extent to which alcohol misuse influences psychological, behavioral, and somatic symptoms following TBI.	Discuss the prevalence of substance misuse following TBI.	Explain how these findings can be used to better inform guidelines for TBI patients.

10/13/2012	8:15	8:30	NIDRR: Differential Recruitment of Listening Strategies for Auditory Rhythms in Parkinson Disease	Discuss the temporal impairments of gait and speech in Parkinson disease.	Describe the difference between a rhythmic and non-rhythmic listening strategy.	Discuss how understanding individual differences in listening strategy may inform gait and speech interventions.		
10/9/2012	8:00	17:00	Finger tapping variability as a marker for cerebellar ataxia and response to rehabilitation	recognize how intensive rehabilitation affects functional state of patients with spinocerebellar ataxia	describe the characteristics of finger tapping performance in patients with spinocerebellar ataxia	discuss potential use of finger tapping as a marker for ataxia		
10/9/2012	8:00	17:00	Self-Perception and Identity Development among TBI Survivors According to Stage of Development at Injury	Recognize the impact that traumatic brain injury has on development	Identify how particular life stages at injury impact development of TBI patients	Discuss the disruption in development resulting from TBI for individuals injured at various stages of life		
10/9/2012	8:00	17:00	UntitledUsing inertial sensor based novel system to assess upper limb movement in brain injury.	Describe signs of recovery in brain injured patients with uL movement dysfunction.	Discuss the control mechanism allowing each peg to be placed on specific hole in 9 Hole Peg Test in same time irrespective of the distance traversed.	Identify sensors used in Gaming could be modified to provide rich data on the trajectory of the UL movement	Describe how current clinical system to measure upper limb (UL) movement is imprecise and insensitive.	Discuss the sensor based kinematic data may provide early data of efficacy of rehab intervention(s) on UL.
10/9/2012	8:00	17:00	Relationships between ankle spasticity and strength, walking capacity and self-perceived walking limitations in multiple sclerosis	describe the relationship between ankle spasticity and strength in persons with multiple sclerosis	describe the relationship between ankle strength and walking function in persons with multiple sclerosis	describe the relationship between ankle spasticity and walking function in persons with multiple sclerosis	describe the relationship between clinical and instrumented measures of ankle spasticity	
10/9/2012	8:00	17:00	Opioid Treatment for Chronic Pain following Spinal Cord Injury: A Systematic Review	Identify the impact of chronic pain on the daily life of individuals with SC	Discuss the effectiveness of opioid treatment for chronic pain in people with SCI	Describe the issues relating to long term management of opioid treatment in people with SCI		
10/9/2012	8:00	17:00	Neuromuscular electrical stimulation (NMES) in chronic stroke: A systematic review of upper extremity outcomes.	Discuss the quality of trials that have been conducted in evaluating the effectiveness of NMES in improving upper extremity function post-stroke	Describe the effectiveness of NMES in improving upper extremity function in chronic stroke	Discuss the evidence available with respect to NMES treatment for the upper extremity in chronic stroke		
10/9/2012	8:00	17:00	Confidence as a mediator in the relationship between wheelchair skills and mobility among older adults	Describe the associations between wheelchair skills, mobility, and confidence.	Recognize the importance of confidence with using a manual wheelchair from a clinical perspective.	Explain the importance of future research on confidence with using a manual wheelchair.		
10/9/2012	8:00	17:00	Patterns of Health Care Utilization in Primary Care Settings and Rehospitalization Post Spinal Cord Injury	List the most commonly reasons for re-hospitalization post spinal cord injury	List the most commonly reported concerns in primary care utilization following spinal cord injury	Discuss patterns of health care utilization in re-hospitalization and primary care settings for people with spinal cord injury (SCI).		

10/9/2012	8:00	17:00	Optimizing transcranial direct current stimulation for motor recovery from severe post-stroke hemiparesis: early results from an ongoing clinical trial.	Describe why all stroke subjects do not respond in the same way to tDCS.	Describe the concept that tDCS electrode location plays an important role in determining outcomes.	Discuss the use of transcranial direct current stimulation (tDCS) in stroke rehabilitation.
10/11/2012	16:15	16:30	Implementing Technology-Based Embedded Assessment in the Home and Community Life of Individuals Aging with Disabilities.	Describe the potential of embedded assessment for monitoring health of individuals, compensating for lost function and preventing health emergencies.	Identify challenges in implementing embedded assessment in real-world environments.	Describe the current state of the field of embedded assessment and the need for future research.
10/9/2012	8:00	17:00	Assessment of Improvement of Functional Status of Chronic Guillain-Barré Syndrome with 4-Aminopyridine – Phase IIB Study	Describe the mechanism of action of 4-aminopyridine.	Discuss limitations of drug carryover in a crossover design study.	Recognize the safe dosing regimen of 4-aminopyridine for Guillan-Barre Syndrome.
10/9/2012	8:00	17:00	Caregiver Outcomes and Burden Three Months into a Brain Injury Survivor's Recovery	Identify three caregiver sociodemographic variables that significantly predict caregiver outcomes three months after a brain injury survivor's discharge	Describe the relationship between caregiver education level and subjective caregiver burden three months after a brain injury survivor's discharge	Describe the relationship between a brain injury survivor's physical functioning three months post-discharge and caregiver burden
10/9/2012	8:00	17:00	Pharmacotherapy for depression post traumatic brain injury: a meta-analysis.	Describe the current evidence for using meta-analytic techniques	Discuss the importance of treatment for depression post-TBI	Describe the current state of the evidence regarding pharmacotherapy for depression in the population of individuals with TBI
10/9/2012	8:00	17:00	Post Stroke Depression Symptoms: Therapeutic Interventions Initiated More than Six Months Post Stroke	Explain the impact of depression on the function and quality of life individuals in the chronic stage of stroke	Describe the effectiveness of depression management during the chronic stage of stroke	Discuss long term management of depression in individuals with stroke
10/9/2012	8:00	17:00	The impact of a sustained, comprehensive and freely-available research synthesis in stroke rehabilitation	Recognize the need for research syntheses when determining best practices.	Describe the role of research syntheses in developing guidelines and models of care.	Discuss the role of an integrated knowledge translation program from research syntheses to clinical

10/9/2012	8:00	17:00	Body weight-supported treadmill training vs. over-ground walking training for persons with chronic stroke	Recognize that maintaining a moderate level of training intensity for 30 minutes/session over a two-week intervention period through self-reported RPE scores is feasible for persons with chronic stroke.	Describe the benefits of overground walking training over body-weight supported treadmill training at improving self-selected walking speed for persons with chronic stroke.	Discuss the implications of different training environments on clinical outcomes for persons with chronic stroke.
10/9/2012	8:00	17:00	Feasibility for using ankle robotics in the acute phase of stroke: A controlled pilot study	Identify challenges in conduct of intervention research during the acute hospitalization phase post-stroke	Identify key elements for a motor learning-based therapeutic exercise regimen	Describe a viable approach for implementing modular lower extremity robotics training during post-stroke hospitalization.
10/9/2012	8:00	17:00	Weight Management for People with Disabilities: Nutrition and Exercise Combined within an Accessible Fitness Center	Recognize the effects of a structured fitness and nutrition based intervention on persons with disabilities within a fully adaptive and accessible fitness center.	Identify the effects on weight management of incorporating a nutrition portion to a structured fitness regimen.	Explain how the outcomes of a combination of a structured fitness and nutrition based intervention is influenced by participants' living situation and control of purchasing and preparing of food.
10/9/2012	8:00	17:00	Correlating electrophysiology and metabolic profiles to assess motor impairment after stroke	Discuss the use of magnetic resonance spectroscopy and transcranial magnetic stimulation.	Describe how new imaging techniques may lead to novel therapeutic approaches for stroke	Recognize how magnetic resonance spectroscopy and transcranial magnetic stimulation may be combined to identify mechanisms underlying motor deficits after stroke
10/9/2012	8:00	17:00	A Critical Analysis of Balance Measures for Community-Dwelling Older Adults	Discuss content gaps of balance measures for community-dwelling older adults	Describe psychometric limitations of existing balance measures for community-dwelling older adults	Identify mechanisms to fill content gaps of existing balance measures for community-dwelling older adults
10/12/2012	16:15	16:30	The Impact of Locomotor Training on Cardiovascular Parameters on Cardiovascular Parameters in Patients with Incomplete Spinal Cord Injury	Explain the changes in resting cardiovascular parameters and orthostatic challenge before and after LT	Describe resting cardiovascular parameters affected by position, age, time since injury and other defining factors before and after LT.	Discuss the methods of measuring and challenging the cardiovascular system after incomplete SCI before and after locomotor training (LT).
10/9/2012	8:00	17:00	Psychometric Properties of the Multidimensional Assessment of Fatigue Among Individuals with Traumatic Brain Injury	Describe fatigue as it applies to individuals with TBI and how this may contrast with the experience of fatigue among other clinical populations.	Discuss the ways in which psychometric properties of an instrument can change depending upon the sample.	Identify appropriate measures of fatigue for the population of interest.

10/9/2012	8:00	17:00	Double-blind, placebo-controlled, crossover trial of amantadine on arousal in patients with disorders of consciousness	Participants will be able to discuss the clinical use of amantadine for functional performance in visual attention and command following.	Participants will be able to describe the effect of amantadine on arousal.	At the completion of this session, participants will be able to assess cognition in low level patients using protocols for command following and visual attention.
10/9/2012	8:00	17:00	Natural History and Classification of Headache over One Year after Mild vs. Moderate to Severe Traumatic Brain Injury	Describe the frequency of migraine or probable migraine in the year after TBI.	Explain the differences between headache after mild vs. moderate to severe TBI.	Describe the prevalence of headache following TBI.
10/9/2012	8:00	17:00	Primary Care: Two Year Outcomes from a Medical Home for Persons with Disabilities	Discuss the importance that individuals with disabilities receive disability knowledgeable primary care.	Describe the high medical and social needs of this client population.	Recognize the value of a Medical Home delivery model for persons with disabilities.
10/12/2012	9:00	9:15	A Systematic Review of Treatment for Post Traumatic Brain Injury Fatigue	Describe at least 3 pharmacologic and behavioral interventions for PTBIF.	Describe at least one evidence based treatment that has been tested in a population other than TBI but that has potential as a treatment for PTBIF	Describe specific areas of future research needed with respect to interventions and management for PTBIF.
10/9/2012	8:00	17:00	Spiritual well-being after Spinal Cord Injury: Opportunities for Treatment	Describe the components of spirituality	Describe the association between quality of life spiritual well-being	Identify the association between spiritual well-being and depressive symptoms
10/9/2012	8:00	17:00	Epigenetics, behavior and neuroimaging: a new paradigm to study aging in Down syndrome.	Discuss multi-modal approaches (i.e. neuroimaging, genetics, clinical measures) related to diagnosis.	Describe the association between epigenetics, brain function and clinical measures in rehabilitation and aging.	Discuss the role of epigenetics in disability.
10/9/2012	8:00	17:00	Ipsilesional white matter integrity predicts implicit motor learning	Explain how diffusion tensor imaging can be used to measure white matter changes in the cortex.	Describe the role of ipsilesional motor tracts in implicit motor learning.	Identify the contributions of white matter to implicit motor skill learning.
10/9/2012	8:00	17:00	Depression Management within an Arm Recovery Trial: The Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE) Experience	List key elements in a model for depression management within a stroke rehabilitation clinical trial	State the incidence of depression in the acute and rehabilitation phases after stroke	Describe the potential of early screening and management for mitigation of symptoms and clinical participation

10/9/2012	8:00	17:00	The Utility of the Modified Mini-Mental State Examination in Inpatient Rehabilitation for Traumatic Brain Injury	Summarize the construct validity of the Modified Mini-Mental State Examination for use with traumatic brain injury populations in inpatient rehabilitation.	Discuss whether the Modified Mini-Mental State Examination or the Mini-Mental State Examination is more closely associated with functional independence in traumatic brain injury.	Explain whether prediction of inpatient rehabilitation length of stay for traumatic brain injury can be improved by augmenting the Functional Independence Measure with a measure of cognitive status.
10/9/2012	8:00	17:00	The Child and Adolescent Scale of Participation – Traditional Chinese version and its psychometric properties	Describe the psychometric property of The Child and Adolescent Scale of Participation-Traditional Chinese version (CASP-C)	Describe the feasibility of CASP-C in a New Disability Evaluation System implemented in Taiwan	Describe the cross-cultural adaptation process of CASP-C
10/9/2012	8:00	17:00	Neuromuscular electrical stimulation (NMES) for the lower extremity to improve gait in chronic stroke: A systematic review.	Discuss the effectiveness of NMES in improving gait in chronic stroke	Describe the quality of trials that have been conducted in evaluating the effectiveness of NMES in improving gait post-stroke	Discuss the evidence available with respect to NMES treatment for the lower extremity in chronic stroke
10/9/2012	8:00	17:00	Integrating work and community inclusion into survivorship care: Enhancing psychosocial outcomes of CNS cancer survivors.	Identify the importance of work rehabilitation program in the cancer rehabilitation research and practice	Identify the importance of community inclusion program in the cancer rehabilitation research and practice	Describe evidence-based work and community inclusion programs in the cancer rehabilitation research and practice
10/9/2012	8:00	17:00	Comparison of individual, group and home agility boot camp (ABC) exercise program for people with Parkinson's disease?	Compare 3 common modes of exercise for PD	Discuss the importance of using a variety of outcome measures	Describe improvements after exercise using agility-based exercise
10/9/2012	8:00	17:00	The absence of electromagnetic fields and mirror therapy, to reduce vascular amputee phantom limb pain	Recognize the effect that this intervention has on reducing phantom limb pain in vascular amputees.	Discuss how this intervention can be used with amputees, to reduce time to prosthetic fitting	Recognize the benefits that this intervention has on wound healing, and subsequently residual limb healing for amputees
10/9/2012	8:00	17:00	Relationship between changes in coping behaviors and community integration at 6 months and 12 months after traumatic brain injury	Identify the changes in coping behaviors following traumatic brain injury over 12 months	Identify the association between changes in coping behaviors and community integration	Identify the association between demographic factors and community integration
10/9/2012	8:00	17:00	Portable Upper Extremity Robotics is as Efficacious as Upper Extremity Rehabilitative Therapy	Describe the efficacy of RTP versus RTP incorporating the Myomo	Describe the main outcome measure used in this trial	Describe the application of portable robotics using the Myomo

10/9/2012	8:00	17:00	Voxel-Based Statistical Analysis of Brain Metabolism in Patients with Growth Hormone Deficiency after Traumatic Brain Injury	Describe how to interpret the result of brain positron emission tomography.	Describe Growth hormone deficiency after traumatic brain injury.	Discuss neurophysiological substrate of growth hormone on TBI patients.	Explain the effect of growth hormone on TBI patients.
10/12/2012	14:00	14:15	Balance Impairment is Associated with Decreased Quality of Life in People with Chronic Stroke	Identify balance impairment as an important variable in people with chronic stroke.	Describe the relationship between balance and quality of life in people with chronic stroke.	Discuss possible rehabilitation or community based interventions that may impact post-stroke balance, and thereby improve quality of life.	
10/9/2012	8:00	17:00	Adjustment of gait asymmetry by curved walk in individuals post-stroke	Discuss gait asymmetry in individuals post-stroke	Describe the adjustment of gait asymmetry by curved walk in individuals post-stroke	Recognize the progress towards less gait asymmetry by curved walk in individuals post-stroke	
10/9/2012	8:00	17:00	Medication Self-Administration After Stroke	Discuss standardized methods of medication self-administration and the cognitive psychological systems which may support these skills.	Describe current standards regarding education and rehabilitation intended to improve medication self-administration.	Discuss linking individual patient problems with cognitive self-management and functional memory to system-level, public health burden and healthcare cost	
10/9/2012	8:00	17:00	Pain and its impact on spinal cord injury inpatient rehabilitation	Discuss patterns of pain intensity observed during inpatient rehabilitation	Identify common locations of pain reported in inpatient rehabilitation	Describe how pain severity is associated with delivery of therapy services	
10/9/2012	8:00	17:00	Posture-related modulation in motor cortical excitability of proximal and distal upper extremity muscles.	Describe the influence postural orientation has on cortical excitability to proximal and distal arm muscles.	Describe two methods of assessing cortical excitability to proximal and distal arm muscles	Describe differences in cortical excitability due to postural orientation (sitting versus standing).	
10/9/2012	8:00	17:00	Contralaterally Controlled Functional Electrical Stimulation for Stroke Rehabilitation	Describe the contralaterally controlled functional electrical stimulation concept and examples of how it can be applied in stroke patients.	Explain the rationale for contralaterally controlled functional electrical stimulation	Discuss the findings of the contralaterally controlled functional electrical stimulation studies to date.	
10/9/2012	8:00	17:00	Lifetime Concussion History and Symptom Report among Collegiate Athletes	Identify research deficits regarding gender difference and lifetime concussion history among collegiate athletes.	Recognize the presence of self-reported gender differences in mood and impulsivity symptoms among college athletes with a lifetime concussion history.	Discuss the potential impact of lifetime concussion history upon baseline assessment, post-concussion assessment, concussion risk, and return to play.	

10/13/2012	9:00	9:15	NIDRR: Leg Preference Associated With Protective Stepping Responses to Waist-Pull Perturbations of Standing Balance in Older Adults	Describe types of recovery steps used in response to standing balance perturbations.	Describe the relationship between fall-risk status and recovery step type used in response to waist-pull perturbations in older adults.	Identify asymmetries in standing balance recovery and leg preference as potential precipitating factors for falls.	
10/9/2012	8:00	17:00	The Relationship between Medical Comorbidities and Mortality after Traumatic Brain Injury	Identify directions for prevention and treatment planning.	Describe the long term perspective of older adults who survive a TBI.	Discuss the link from pre-existing medical comorbidities and mortality in an older adult population 1-5 years after	
10/9/2012	8:00	17:00	Incidence, Knowledge, and Management of Concussion in Irish Rugby Union	Describe incidence of concussion in elite Irish rugby compared to findings across the globe	Discuss the significance of underreporting of concussion by athletes	Explain the proper management guidelines for returning athletes to competition following a	
10/9/2012	8:00	17:00	Objective and Subjective Symptoms in Individuals with Unidentified TBI	Describe differences in objective cognitive function of people with known and unknown TBI	Describe differences in subjective symptom self report of people with known and unknown TBI	Describe the sample populations of people with known and unknown TBI	
10/9/2012	8:00	17:00	Vision and Eyeglass Use In Falls Prevention Programs: A Review of the CDC Compendium	Identify the importance of vision and multifocal eyeglasses as factors in falls	Recognize the lack of inclusion of vision and multifocal eyeglasses in falls prevention programs	Describe the importance of systematic reviews in clinical intervention programs	
10/11/2012	16:30	16:45	High-Intensity Antigravity Motor Training Improves Clinical Status and Gait Capacity in Parkinson's Disease	Describe a high-intensity locomotor training program.	Identify the use of body-weight support as an intensity booster in treadmill training.	Recognize the effect that this intervention has on patients with Parkinson's Disease.	
10/12/2012	15:30	15:45	Treatment of Mild to Moderate Depression in Persons with SCI: A Randomized Clinical Trial	Describe depression symptoms following spinal cord injury and the role of anti-depressants in addressing these symptoms.	Identify how to design and implement a RCT to assess the effectiveness of drug treatment for depression	Discuss rehabilitation related RCT issues such as recruitment and drop off rates especially associated with depression and preventive trials	Describe how placebo effects may contribute to trial results and what can be done to address these
10/9/2012	8:00	17:00	Developing a vision based gesture recognition system to control assistive technology in neuro-disability	Discuss low cost vision based gesture recognition technology may help people to interface with Assistive technology.	Describe how Fitt's test with some modification may be considered as a measurement tool for human computer interface.	Discuss how Neuro-disabled people with only residual movement of facial muscles may still control Electronic Assistive device.	
10/9/2012	8:00	17:00	Benefits of mirror-therapy for hemiparesis following stroke are reduced with increased engagement of contralesional hemisphere	Describe why engaging the contralesional hemisphere might disrupt mirror therapy.	Discuss how to set up a mirror therapy session for stroke patients.	Explain how mirror therapy can be used to treat hemiparesis.	

10/9/2012	8:00	17:00	Arm Accelerometry in Individuals with Spinal Cord Injury During Inpatient Rehabilitation	Discuss differences in arm activity between individuals with paraplegia and tetraplegia	Discuss changes in arm activity from admission to discharge from inpatient rehabilitation	Discuss differences in arm activity in physiotherapy and occupational therapy sessions	
10/9/2012	8:00	17:00	A Systematic Review Examining Efficacy of Intrathecal Baclofen on Spasticity in Individuals Greater than 6 Months Post Spinal Cord Injury	List possible complications as a result of using intrathecal baclofen.	Explain how intrathecal baclofen improves muscle spasticity.	Define spasticity and medical conditions typically observed to have spasticity as a symptom.	
10/9/2012	8:00	17:00	The Diagnosis and Treatment of Pain on a Spinal Cord Rehabilitation Unit	Discuss the barriers to implementing best practice and create a strategy for improvement	Describe the use of best practice guidelines in the diagnosis and treatment of pain	Identify if a gap exists between actual and best practice treatment of pain on an SCI unit	
10/9/2012	8:00	17:00	Participation of Taiwanese children with disabilities in home, school and community	Describe the main participation restriction affecting children with disabilities in Taiwan	Describe the participation patterns of children with disabilities in Taiwan	Identify the differences in participation of this population among three environmental contexts	
10/9/2012	8:00	17:00	Robot-assisted hand training compared with conventional hand therapy in chronic ischemic stroke patients: A pilot study.	Discuss the benefits of robotic rehabilitation as compared to conventional therapy for the distal upper extremity.	Describe the effects of this type of robotic rehabilitation in a chronic, ischemic stroke population.	Discuss what type of improvements to expect in the involved hand after this type of robotic rehabilitation.	
10/9/2012	8:00	17:00	Muscle investigation in hypophosphatemic rickets: a jumping mechanography and pQCT study	Identify the parameters related to decreased muscle function in hypophosphatemic rickets	Describe dynamic muscle function tests and interpret the relevant parameters	Discuss how muscle anatomy relates to muscle function	
10/9/2012	8:00	17:00	Strategies to adapt walking mechanics to path curvature after a stroke	Describe the adaptations made to the walking pattern when walking along a curved path vs straight walking	Recognize the differences in turning mechanics between an able-bodied individual and a person with stroke	Describe the differences in walking mechanics when walking with the affected leg on the inside of the turn and the outside.	Discuss the importance of incorporating advanced gait skills such as turning in rehabilitation programs.
10/9/2012	8:00	17:00	What psychosocial factors are associated with the hippocampal volume changes in epilepsy? - A pilot study.	Describe the importance of considering psychosocial factors in treatment planning in people with epilepsy.	Identify some commonly used psychosocial variables in medical rehabilitation research.	Describe relationships between various psychosocial factors and the hippocampal volume in people with epilepsy.	
10/9/2012	8:00	17:00	Aging with Spinal Cord Injury/Disease: Recommendations for Future Research	Describe differences in defining aging from rehabilitation and non-rehabilitation perspective (aging able-bodied elderly versus persons aging with a disability)	Discuss Aging SIG recommendations for future research	Describe secondary conditions, associated complications and co-morbidities after spinal cord injury	Explain the process of aging with a disability and how this can be best captured in research

10/11/2012	15:45	16:00	Getting back to the community and staying there: Examining community discharge and consecutive days spent in the community	Describe the consecutive number of days a post-acute care patient stays at home after community discharge	Describe successful community discharge	Identify the proportion of individuals who achieved successful community discharge
10/9/2012	8:00	17:00	Environmental setting influences attention allocation ability during dual-task walking after stroke: a case study	Discuss the potential effect of environmental setting on dual-task walking after stroke	Describe the use of the modified Attention Allocation Index as a measure of attention allocation ability	Discuss deficits in attention allocation during dual-task walking after stroke
10/9/2012	8:00	17:00	Pain and Women with Spinal Cord Injury, Multiple Sclerosis, Joint Connective Tissue Disorders and other Physical Disabilities	Recognize that women with physical disabilities report more severe bodily pain than US national norms.	Recognize that pain interference impacts depression above and beyond demographic and disability variables among women with physical disabilities.	Identify significant demographic and disability correlates of pain among women with physical disabilities.
10/9/2012	8:00	17:00	Cortical and Biomechanical Dynamics of Lower Extremity Robotics Training at different levels of Motivational Incentive	Describe the ability of robotics-assisted training to produce functional mobility gains in hemiparetic stroke	Discuss the cerebral cortical networking and activation changes and differences associated with high vs. low-reward-based robotics training in stroke	Describe the role of motivation (state of the learner) to enhance motor learning based interventions in stroke
10/9/2012	8:00	17:00	Stroke Caregiving Associated with Cognitive Decline over Time	Discuss why caregivers of stroke survivors are at risk of poor cognitive functioning.	Recognize that providing long-term care to a spouse who survives a stroke may increase the risk of cognitive decline in the caregiver.	Describe evidence that the duration of stroke caregiving was significantly related to declining performance on each cognitive domain over time, independent of the effects of aging.
10/9/2012	8:00	17:00	Spinal Inhibition is Associated with Functional Status in Adults with Cerebral Palsy	Discuss the association between mechanisms contributing to spastic movement disorder and gross motor function.	Describe a mechanism that contributes to spasticity in cerebral palsy.	Recognize a spinal mechanism in the generation of spasticity following a brain lesion.
10/9/2012	8:00	17:00	Examining Spasticity after Spinal Cord Injury Using a Novel Robotic Assessment	Discuss the preliminary data describing the relationship between the spasticity scores and Modified Ashworth scores.	Discuss the pilot data (spasticity scores and EMG) found when comparing a small group of people with SCI and a small non-injured group over a range of angular velocities.	Describe this new measure, the spasticity score, and its methodological advantages over other spasticity measures.

10/9/2012	8:00	17:00	Efficacy of Near-infrared Spectrometry and Electromyography to Measure Metabolic and Neuromuscular Properties During Electrical Stimulation	Describe the neural activity of muscle during voluntary and electrical stimulation induced contractions via analysis of electromyography.	Explain the use of near-infrared spectrometry to measure the metabolic response of muscle during contraction.	Discuss which physiological properties of muscle contractions electromyography and near-infrared spectrometry provide insight to (ie. timing, strength).
10/9/2012	8:00	17:00	Gait Speed Reserve Associated with ADLs in Persons with Stroke and Foot Drop: FASTEST Data	Discuss the current knowledge base on the clinical impact of gait speed beyond mobility	Explain the concept of gait speed reserve in relation to Perry's gait categories	Describe the relationship between activities of daily living and gait speed
10/9/2012	8:00	17:00	Prism Treatment may Facilitate Stroke Survivors' Recovery to Independence	Discuss the need for a multi-site clinical trial of the Prism treatment.	Describe how spatial neglect post stroke is a strong, significant predictor of poor rehabilitation outcome.	Identify how Prism treatment may improve neglect patients' everyday activities, especially those relying on motor function.
10/9/2012	8:00	17:00	Risk Factors of Suicide Two Years Post Traumatic Brain Injury	Describe the mental health and well-being of TBI survivors.	Discuss information pertaining to the risk of successful or attempted suicide 1-2 years post TBI.	Describe a set of characteristics indicative of suicide risk applicable to both clinical and researcher
10/9/2012	8:00	17:00	Aging With a Disability: Happiness Matters	List risk and protective factors for happiness in people aging with a disability.	Describe why the study of happiness matters for understanding aging with a physical disability.	Describe levels of happiness for people aging with disabilities.
10/9/2012	8:00	17:00	Regional variation in hospital readmission following Inpatient stroke rehabilitation	Discuss patient, facility, and regional factors influencing rehabilitation outcomes	Describe methods for using Medicare data to study hospital readmission	Discuss regional variation in hospital readmission after stroke rehabilitation
10/9/2012	8:00	17:00	The effect of prospective monitoring and early physiotherapy intervention on the incidence of arm morbidity	Discuss how arm morbidity after breast cancer surgery may affect function and quality of life.	Identify 2 components of treatment for arm morbidity related to breast cancer surgery.	Identify components of arm morbidity after breast cancer surgery.
10/9/2012	8:00	17:00	The Impact of Depression on Cognition in Electrical Injury Patients with Post-Traumatic Stress Disorder Symptoms	Discuss psychiatric sequelae in electrical injury	Discuss neuropsychological sequelae in electrical injury.	Explain the effect of co-existing PTSD and depression on cognitive functioning in electrical injury.
10/9/2012	8:00	17:00	Energy expenditure in children with cerebral palsy playing the Wii	Discuss the different energy expenditure when playing active video games between typically developing children and children with cerebral palsy.	Describe how much playing time is required to improve physical fitness.	Explain why active video games are appropriate to improve physical fitness in children with cerebral palsy.
10/9/2012	8:00	17:00	Reporting Issues related to Pressure Ulcers in Inpatient Rehabilitation Facilities	Discuss the gaps in reporting mechanism of quality indicators in IRF	Describe the prevalence of facility acquired pressure ulcers in IRF	Identify ways of incorporating preventive strategies for pressure ulcer at IRF

10/9/2012	8:00	17:00	Follow Up Outcomes of a Longitudinal Study on Secondary Conditions and Quality of Life After SCI	Describe studies using longitudinal methodologies and large datasets.	Discuss secondary conditions and risk factors for developing complications associated with SCI	Identify the characteristics of persons with SCI with 20 years or more post-injury, including depression and quality of life.
10/9/2012	8:00	17:00	Cortical activity during imagined wrist actions mirrors plastic changes due to motor rehabilitation after SCI	Identify whether brain activations during motor imagery reflect motor improvements due to motor rehabilitation	Describe motor improvements due to rehabilitation with motor imagery after SCI	Discuss the influence of time post injury on cerebral plasticity induced by mental training
10/9/2012	8:00	17:00	Self-efficacy post stroke: are we missing the boat?	Define the concept of self-efficacy	Explain the relationship between self-efficacy and the self-regulatory mechanisms of goal-setting, planning, self-monitoring, coping, and cognitive appraisal	Discuss how the relationship between self-efficacy and the self-regulatory mechanisms of goal-setting, planning, self-monitoring, coping and cognitive appraisal likely influence activities and participation post stroke
10/9/2012	8:00	17:00	Anti-Depressant Prescription Patterns in SCI and ABI Rehabilitation	Discuss what types of anti-depressant medications are used to treat SCI and ABI patients	Describe the rates of treatment among ABI and SCI patients	Discuss the time of anti-depressant prescriptions in relation to rehabilitation
10/9/2012	8:00	17:00	ISWAY: an Objective Test of Balance Control	Describe rehabilitation intervention	Discuss Exercise assessment	Discuss better objective measure to assess intervention effect
10/12/2012	15:45	16:00	Comparing rehabilitation outcomes between older and younger people with SCI	Identify the differing characteristics and injury profiles between people who acquire SCI at an older age and those injured at younger age.	Describe post-acute services, including inpatient rehabilitation and post-discharge therapy, and the different clinical pathways that older group experienced compared to their younger peers.	Discuss the rehabilitation outcomes and their respective predictors between older group and younger cohorts.
10/9/2012	8:00	17:00	Age and Chronicity Are Associated with Larger Cortical Activation After Incomplete Spinal Cord Injury	Describe the changes exhibited after incomplete SCI	Describe the application of fMRI to understand cortical activation before and after SCI training.	Describe the factors that impact cortical activation after incomplete SCI.
10/9/2012	8:00	17:00	Characteristics of hand force production for lifting of an object in dementia patients	Describe clearly declined function of quickly switching and producing programmed force in lifting of an object for a given visual cue in dementia patients.	Discuss differences in this ability in elderly people with and without dementia	Explain a method of using a simple daily manual motor task to evaluate the ability to make predictive force production.

10/9/2012	8:00	17:00	Successful Scholastic Reintegration for Students who have experienced ABI	Discuss successful scholastic reintegration	Identify appropriate teacher education	Describe appropriate scholastic policy
10/9/2012	8:00	17:00	Urinary incontinence in geriatric's, a retrospective study of diagnosis and management at nursing level	Discuss urinary incontinence (UI)	Describe the need for detection of UI by nurses	Identify the appropriate actions taken by nurses in UI detection
10/9/2012	8:00	17:00	Health-related Quality of Life Following Military-related Moderate-Severe Traumatic Brain Injury. A 3-year Cross-sectional Cohort Study	Describe evidence regarding long-term outcomes from TBI	Discuss how the limited available evidence can be used to estimate the long-term outcomes associated with TBI in military populations.	Describe self-reported health-related quality of life across the first 3-years of recovery following polytrauma and moderate to severe traumatic brain injury in US military service members
10/9/2012	8:00	17:00	Health-related Quality of Life Following Military-related Moderate-Severe Traumatic Brain Injury. A 3-year Cross-sectional Cohort Study	Discuss return to work rates and ratings of life satisfaction following polytrauma.	Describe the healthcare needs of service members following polytrauma and MTBI.	Discuss self-reported health-related quality of life across the first 3-years of recovery following polytrauma and moderate to severe traumatic brain injury in US military service members
10/9/2012	8:00	17:00	Health-Related Quality of Life within the first 5 Years Following Polytrauma and Mild TBI in U.S. Military Service Members	Describe the rates of chronic headaches and chronic bodily pain in service members and veterans who sustain serious bodily injuries and an MTBI.	Discuss return to work rates and ratings of life satisfaction following polytrauma.	Recognize the healthcare needs of service members following polytrauma and MTBI.
10/9/2012	8:00	17:00	Positive Psychology and Resilience in Rehabilitation Medicine	Define the principles of positive psychology and their applications to rehabilitation medicine.	Identify influence of an individuals' positive characteristics and their relationship to variables that directly pertain to rehabilitation.	Restate the applicability of positive psychology constructs to neurorehabilitation patients and how they may be differentially beneficial for them
10/9/2012	8:00	17:00	Evaluation of a Virtual Dialogue Method for Acquired Brain Injury Education: A Pilot Study	Describe virtual dialogue technology.	Describe the effects of the virtual dialogue method on increasing knowledge about brain injury.	Describe the participant attitudes about the virtual dialogue experience.
10/9/2012	8:00	17:00	The Control of Heart Rate Variability Using Biofeedback in Individuals with Chronic Brain Injury and Its Effects on Executive Functioning	Discuss how HRV biofeedback can offer an effective tool for the assessment and modification of behavioral problems.	Describe how individuals with severe, chronic brain injury can modify HRV through biofeedback.	Discuss the theoretical and practical knowledge of heart rate variability (HRV) biofeedback

10/9/2012	8:00	17:00	Comparing real-world utility and clinical complications of two different low-cost pediatric wheelchairs	Discuss the importance of aligning research with international guidelines	Explain the utility of wheelchair design with respect to participation	Describe clinical complications that may be associated with elements of wheelchair design	
10/9/2012	8:00	17:00	Akathisia, a rare cause of psychomotor agitation in patients with traumatic brain injury.	Describe a case report of akathisia after traumatic brain injury.	Discuss the differential diagnosis, pathophysiology, and treatment of akathisia after traumatic brain injury.	Describe the term akathisia.	
10/9/2012	8:00	17:00	Longitudinal study of locus of control and health-related quality of life after traumatic brain injury.	Describe the changes in locus of control in the chronic phase after TBI.	Describe the domains of locus of control.	Discuss the effect of locus of control on health-related quality of life.	
10/9/2012	8:00	17:00	Evidence of inter-rater reliability in scoring the Kessler Foundation Neglect Assessment Process	Define a post-stroke neurocognitive spatial neglect disorder	Summarize a newly developed Kessler Foundation - Neglect Assessment Process (KF-NAP) using the Catherine Bergego Scale	Recognize the inter-rater reliability in scoring the KF-NAP	Discuss a validated functional assessment tool of spatial neglect
10/9/2012	8:00	17:00	Relationship of FIM Items to Discharge Home from Inpatient Stroke Rehabilitation Program	Discuss the FIM items that are predictive of discharge home from a rehab setting for patients post stroke.	Define the relationship of age and marital status as predictors of discharge disposition after acute IRF stay.	Restate the statistical relationship of side of stroke lesion and discharge disposition.	
10/9/2012	8:00	17:00	Transcranial Direct Current Stimulation Improves Hand Sensation in Acute Stroke	Describe how to measure the sensation after the tDCS	Discuss how to apply the tDCS and tDCS parameter setting to improve sensation	Explain the effect of transcranial direct current stimulation on sensation aspect	
10/9/2012	8:00	17:00	Pedometer Accuracy in Slow Walking Older Adults	Discuss the different types of commercially available pedometers that can be used to monitor locomotor activity in older adults.	Identify the reasons why slower walking speeds can lead to a decrease in pedometer accuracy.	Recognize that different technologies may have to be used to monitor walking activity in individuals with slow walking speed.	
10/9/2012	8:00	17:00	Exploring the Relations between Self-/Informant-Reports and an Objective Measure of Cognitive Impairment.	Describe the neuropsychology of multiple sclerosis	Discuss the relation between self-reports of cognitive functioning and self-reports of mood and fatigue	Describe the association of subjective reports (self/informants) to standardized measures of cognition	
10/9/2012	8:00	17:00	A multidisciplinary CBT pain management group program: Outcomes for patients with chronic non-cancer pain	Discuss the pre-post results from 36 consecutive groups of participants on 6 standardized measures	Describe the Bridgepoint Health CBT-based 10-week 20-session program and its component parts	Recognize the impact of long-term pain on adults living in the community with complex chronic conditions	

10/9/2012	8:00	17:00	Evaluation of an Ontario ABI Peer Support Mentoring Program	Discuss the results of the externally conducted program evaluation of the Peer Support Program	Describe the telephone support offered to individuals living in the community after acquired brain injury	Discuss the Ontario Peer Support Mentoring Program for persons with ABI and their families	
10/9/2012	8:00	17:00	The Role of Cognitive Reserve in Memory and Executive Functioning: Cypriot Neurocognitive Study on Aging	Discuss the components of memory and executive abilities assessment	Describe the use of SEM analysis on cognitive research	Explain how crystallized knowledge relates to cognitive abilities	Define how to estimate cognitive reserve
10/9/2012	8:00	17:00	Left Dorsolateral Prefrontal Cortex Is Involved in Motor Imagery	Discuss potential mechanisms by which left dorsolateral prefrontal cortex contributes to motor imagery	Recognize the contribution of the left dorsolateral prefrontal cortex to motor imagery	Describe effect of motor imagery on excitability in the primary motor cortex area	
10/9/2012	8:00	17:00	Safety and Efficacy of Repetitive Transcranial Magnetic Stimulation (rTMS) for two Persons in Vegetative State	Describe underlying mechanisms for neurobehavioral gains	Describe neurobehavioral gains occurring during rTMS for two subjects	Describe rTMS as a neurotherapeutic application for severe TBI	
10/9/2012	8:00	17:00	Cognitive contributions to verbal learning in adults with chronic moderate to severe (M/S) TBI.	Recognize impairment in various components of verbal learning and memory in TBI	Discuss that impairment in other cognitive domains contributes to deficits in verbal learning in TBI	Describe differences in verbal learning between individuals with chronic moderate to severe TBI and healthy age-matched controls	
10/9/2012	8:00	17:00	Predicting Fall Risk in Acute Inpatient Rehabilitation Facilities	Discuss fall risk assessment tools used in rehabilitation settings to reduce falls	Identify which FIM scores predict fallers in an inpatient rehabilitation facility	Identify which diagnoses predict fallers in an inpatient rehabilitation facility	
10/9/2012	8:00	17:00	Measuring Outcomes- From the Acute Hospital throughout the Post-Acute Care Venues Using a Common Metric	Discuss the basis of functional status and the importance of measurement in quality improvement opportunities.	Describe the concept and the importance of patient burden of care in triage decision making throughout the continuum of care.	Recognize the importance of a common outcome assessment metric used throughout the continuum of care.	
10/9/2012	8:00	17:00	Improving Functional Outcomes for Vascular Amputees Through Innovative Technology	Explain the change in functional outcomes when using innovative technology for vascular amputees.	Discuss the impact of phantom limb pain on the functional outcomes of adults with vascular amputation.	Describe the evidence for improving functional outcomes for vascular amputees and prosthetic use.	

10/9/2012	8:00	17:00	Visuomotor Reaching Behavior to Virtual and Real Targets Depends on Postural Requirements in Healthy Elders	Identify key elements of task performance that inform the optimal design of VR games for rehabilitation of dynamic balance in older adults.	Describe the relationship between visuomotor goal-directed reaching performance and dynamic postural control in healthy older adults in VR and real environments.	Discuss the research potential of using wrist position data acquired from a laser-based motion capture system commonly used in VR game applications.		
10/9/2012	8:00	17:00	Community Stroke Recovery Programs, participation and quality of life	Describe the personal, behavioral and environmental factors effecting the quality of life and participation of stroke survivors.	Identify the methodology and results of this community-based study	Recognize the optimized "solution" for community-based stroke recovery process – the structure and function of a stroke recovery program	Cite most up to date outcome measures that are suitable for stroke rehabilitation	
10/9/2012	8:00	17:00	Effects of Combined Somatosensory Augmentation and Movement Training in Able-Bodied Individuals and Those with Tetrapelgia	Discuss changes in somatosensory perception in people with complete spinal cord injury (SCI) after training on a device combining somatosensory augmentation and repeated movement.	Discuss implications of these findings for development of upper limb training programs in people with complete SCI.	Describe how changes in somatosensory function relate to performance of upper limb motor tasks in people with complete SCI as compared to able-bodied individuals.		
10/9/2012	8:00	17:00	Depression after Traumatic Brain Injury: A comparison of treatment responses to two psychotherapeutic treatment modalities	Describe ways to better differentiating which individuals with TBI and major depressive disorder are likely to benefit from CBT or SPT.	Identify the differential effects of CBT and SPT on individual depressive symptoms in this sample.	Discuss hypothesized mechanisms underlying the changes in symptom severity for patients treated with CBT as compared to SPT.		
10/9/2012	8:00	17:00	Factors Influencing Quality of Life Following A Multisite Trial for Major Depression Disorder in SCI	Discuss the pitfalls of conducting multi-site RCT trials	Review the relationship of subject characteristics on quality of life outcomes	Discuss factors influencing the relationship of major depression disorder and quality of life outcomes	Distinguish between different types of quality of life assessments and outcomes	Participants will learn how to conduct a depression multi-site RCT trial in rehabilitation
10/9/2012	8:00	17:00	Impact of Somatosensory Augmentation and Repeated Movement Training on the Upper Limb: A Case Study	Discuss the importance of somatosensation on motor performance.	Discuss changes in upper limb (UL) impairments and function in one participant with chronic, incomplete tetraplegia after completion of training on a device combining somatosensory augmentation with repeated movements.	Discuss implications of these findings for the rehabilitation of the UL in people with tetraplegia, as well as future research studies.		

10/9/2012	8:00	17:00	Rehospitalization following traumatic spinal cord injury in the first year following discharge from medical rehabilitation	Identify factors associated with rehospitalization among individuals with SCI.	Discuss the leading causes of rehospitalization among individuals with SCI in the first year following their injury.	Describe the rates and extent of rehospitalization among discharged rehabilitation patients with SCI in the first 12 months post-injury.
10/9/2012	8:00	17:00	Neurophysiological Assessment Tool of Trunk Activity: Reliability and Potential to Measure Neurorecovery	Describe the standardized Brain Motor Control Assessment (BMCA) protocol.	Discuss the reliability of the BMCA to characterize neurophysiological function of the trunk in able-body controls.	Explain the potential of the BMCA to measure neurorecovery of trunk function in spinal cord injury.
10/9/2012	8:00	17:00	Rehabilitation of prehension using motor imagery in C6 quadriplegia: a kinematic and magnetoencephalography control case study	report the interest of motor imagery a junction into classical C6-quadruplegic prehension rehabilitation	identify kinematics modifications induced by motor imagery prehension rehabilitation in C6 quadriplegia	discuss cortical plasticity induced by motor imagery prehension rehabilitation in C6 quadriplegia using magnetoencephalography
10/9/2012	8:00	17:00	Body Coordination in Children: How Development and Weight Classification Affect Adaptation	Describe information about how development affects adaptation	Explain how weight classification affects movement	Discuss the design of rehabilitation interventions from motor learning and developmental perspectives
10/9/2012	8:00	17:00	Implementing agile, user-centered design in video games for cognitive rehabilitation	Recognize stages of iterative game design	Describe features of user-centered design	Recognize the difference between agile and waterfall design
10/9/2012	8:00	17:00	Application of Routine Outcome Measurement to improve quality of inpatient rehabilitation	Discuss feasibility Routine Outcome Measurement in daily practice	Recite applications of Routine Outcome Measurement	Discuss Routine Outcome Measurement as quality tool
10/9/2012	8:00	17:00	Non-Traumatic Brain Injury in Inpatient Rehabilitation: A Population Based Perspective	Identify the demographic characteristics of adults in inpatient rehabilitation with non-traumatic brain injury (e.g., anoxia, brain infections, etc)	Describe the trajectory of care of adults in inpatient rehabilitation with nTBI from a population based perspective in a publicly insured population	Identify the clinical characteristics of adults in inpatient rehabilitation with non-traumatic brain injury
10/9/2012	8:00	17:00	Innovative Technology to Improve Functional Outcomes for Vascular Amputees: Case Studies	Explain the change in functional outcomes when using innovative technology for vascular amputees.	Identify the impact of phantom limb pain on the functional outcomes of amputees.	Identify the evidence for improving functional outcomes for vascular amputees with with

10/9/2012	8:00	17:00	Mutual Support Groups: Social Rehabilitation in Residential Care and in the Community	Discuss how these preliminary findings contribute to our understanding of processes embedded within mutual support groups and discuss the potential role of resident mutual support groups within long-term care homes.	Discuss: a) why it is important to build a new culture of care that encourages elders to help one another, rather than relying on staff and programs for their well-being; and b) how to build a culture of positive mutual support for those with cognitive impairment in way that supports choice, dignity and self-determination.	Compare the use of mutual support groups in special care/secured units versus regular care, as well as adult day programs and supportive living environments in the community.
10/9/2012	8:00	17:00	Hospital Readmission following Inpatient Rehabilitation for Patients with Hip Fracture	Describe hospital readmission rate post discharge from inpatient rehabilitation facilities for patient with hip fracture	Identify long term follow up using administrative claims data	Recognize use of hospital readmission as a quality indicator for inpatient rehabilitation facilities
10/11/2012	15:30	15:45	Course of mood and its predictors following moderate to severe traumatic braininjury: prospective cohort study	Describe the course of mood over time, up to three years after moderate to severe traumatic brain injury (TBI).	Identify the predictors of mood after TBI.	Recognize the differences in mood scores between patients discharged home and patients discharged to a rehabilitation centre or nursing home
10/9/2012	8:00	17:00	Dysphagia assessment in patients with Parkinson's Disease (PD), Multiple Sclerosis (MS) and Muscular Dystrophy (MD)	Discuss the current challenges for dysphagia screening in patients with PD, MS and MD.	Identify factors that could be the cause of these challenges.	Discuss various opportunities for effective management of dysphagia in patients with PD, MS and MD.
10/12/2012	9:00	10:00	Wilkerson Award: Closing the Gap: Early Intervention for Cognitive Disability after Stroke	Discuss the importance of early intervention for cognitive impairments after stroke	Describe the findings of a pilot RCT examining strategy training after acute stroke	Discuss lessons learned and future directions for research examining the efficacy and effectiveness of these approaches
10/9/2012	8:00	17:00	Therapeutic Stimulation Combining Cutaneous and Implanted Electrodes Promotes Rapid Motor Recovery In Acute Stroke Patients	Identify novel treatment approach using Functional Electrical Stimulation	Discuss the distinction between therapeutic and functional electrical stimulation	Describe synergistic muscle patterns