

# 2010 EDUCATIONAL OFFERINGS



**BRAINTREE**  
REHABILITATION HOSPITAL  
FIVESTAR★QUALITY CARE



**NEW ENGLAND**  
REHABILITATION HOSPITAL  
FIVESTAR★QUALITY CARE

To schedule one of these presentations,  
please contact your Liaison or call Ellen Spiegel at 781-348-3827

## ***Pharmacologic Treatment of Cognition and Behavior after TBI***

### Objectives:

- ◆ Describe the natural history of recovery of brain injury in terms of the typical stages of recovery and their principle cognitive and behavioral disturbances.
- ◆ Appreciate the effects of TBI on difference neurotransmitter systems, the associated cognitive deficits and potential for treatment with pharmacologic agents
- ◆ Understand evidence of beneficial and detrimental effects of some agents on recovery and cognitive functioning based on experimental animal evidence
- ◆ Describe the research evidence that supports use of specific medications to improve function in conscious awareness, attention, memory, executive functions and other cognitive problems after TBI
- ◆ Describe strategies for assessing and managing behavioral disturbances with pharmacologic and non pharmacologic strategies at different stages of recovery after TBI.
- ◆ Describe evidence that supports the use of pharmacologic treatment of aggressive behavioral dysfunction after TBI

## ***Recovery of Consciousness After Severe TBI***

### Objectives:

- ◆ To have an understanding of the stages of recovery after TBI, particularly evaluation and treatment of patients in vegetative (VS), minimally conscious (MCS) states
- ◆ Demonstrate knowledge of findings in a retrospective review supporting efficacy of acute rehab for treatment of patients in VS, MCS

## ***A Program Model for (Slow to Recover, Confusional, Post-confusional) Traumatic Brain Injury***

### Objectives:

- ◆ Will demonstrate awareness of the behavioral indicators associated with each stage of recovery
- ◆ Demonstrate knowledge of clinically appropriate tools to track progression
- ◆ Demonstrate knowledge of evidence-based treatment interventions

## ***Amantadine Study***

### Objectives:

- ◆ Demonstrate awareness of a multi-center randomized controlled research study on Amantadine Hydrochloride in recovery of patients with severe TBI

## ***Case Study Presentation of Progression Through Stages of Brain Injury Recovery***

### Objectives:

- ◆ Overview of key elements of TBI program, including causes of TBI, the rehab process and available community resources
- ◆ Will demonstrate awareness of the behavioral indicators associated with each stage of recovery
- ◆ Demonstrate knowledge of clinically appropriate tools to track progression
- ◆ Demonstrate knowledge of evidence-based treatment interventions

### ***Management of the Confusional Patient***

#### Objectives:

- ◆ Identify typical behaviors associated with the confusional state
- ◆ Demonstrate the ability to objectively track progression through the confusional state
- ◆ Will demonstrate knowledge of 3 programmatic interventions applicable in the management of the confused patients

### ***To Mitt or Not to Mitt: Upper Extremity Return of Function***

#### Objectives:

- ◆ What is constraint induced movement therapy (CIMT)
- ◆ Who can benefit from CIMT
- ◆ What is the inclusion/exclusion criteria to participate
- ◆ Brief case study

### ***Aggression Management Training***

#### Objectives:

- ◆ Describes the four stages of crises development in patients and staff strategies to prevent escalation in patient behavior
- ◆ Illustrates how verbal and non-verbal communication by staff may escalate a patient crisis
- ◆ Basic clinician self-defense techniques are presented

### ***Early Predictors of Stroke Outcome and Stroke Rehabilitation***

#### Objectives:

- ◆ Identify medical issues related to stroke
- ◆ Define and understand functional impairments related to stroke.
- ◆ Understand what indicators or measures may assist in predicting long term outcomes for stroke survivor
- ◆ Identify how these predictors can assist in identifying appropriate post-acute rehab settings & treatment planning

### ***Wellness After Stroke***

#### Objectives:

- ◆ Learn about community program designed for stroke survivors to learn self management's skill and participate in the following: exercise for strength and cardiovascular health, balance training, functional mobility training for home and community, communication skills training and education for lifestyle changes.

### ***Why choose Acute Rehab for your Stroke Patients?***

#### Objectives:

- ◆ Illustrate the benefits of acute rehab hospital level of care and outpatient rehab on favorable patient outcomes

### ***Spasticity Management: Practical Approach to Clinical Challenges***

#### Objectives:

- ◆ Describe basic pathophysiology of spasticity
- ◆ Recognize common clinical patterns of spasticity
- ◆ Identify criteria for treatment
- ◆ Identify treatment options, distinguishing between focal & global treatments
- ◆ Identify relative risks and benefits of the different treatment options

### ***Rehabilitation Robotics: Overview of the Technology and Clinical Results***

#### Objectives:

- ◆ Identify existing rehabilitation robots for upper and lower extremities, and its potential.
- ◆ Discuss design choices among rehabilitation robotics and the potential of rehabilitation robotics as an evaluation tool.
- ◆ Discuss key clinical results on the use of therapeutic robotics for stroke, CP, SCI, MS rehabilitation
- ◆ Describe newer areas of further research to determine how best to tailor robotic therapy to meet each individual patient's needs.

### ***Neurobehavioral Program Description***

#### Objectives:

- ◆ Demonstrate awareness of factors influencing safety, common treatment interventions for management of patients with impaired safety
- ◆ Demonstrate awareness of the benefits of a programmatic approach to management of the neurobehavioral patient

### ***Therapeutic Recreation Program***

#### Objectives:

- ◆ Demonstrate knowledge of the role of therapeutic recreation in the inpatient neurorehabilitation setting
- ◆ Demonstrate knowledge of TR assessment tools and treatment interventions appropriate in an inpatient rehabilitation setting

### ***Multidisciplinary Rehabilitation to Improve the Quality of Life and Day-to-Day Function in People with Parkinson's Disease***

#### Objectives:

- ◆ Discuss the evidence supporting multidisciplinary rehabilitation for people with PD in both the inpatient and outpatient settings
- ◆ Discuss the evidence based guidelines for the rehabilitation of people with PD.
- ◆ Determine the critical components of rehabilitation for people with PD and apply these in clinical practice

### ***Movement Disorders***

#### Objectives:

- ◆ Overview of the key components to a Movement Disorders Rehabilitation Program.
- ◆ Discussion on various movement disorders as well as discussing how the patients can benefit from acute rehabilitation

## ***Benign Paroxysmal Positional Vertigo: Examination, Evaluation & Treatment***

### Objectives:

- ◆ Attendee will identify and define anatomy of vestibular system
- ◆ Attendee will define and understand basic physiology of vestibular system.
- ◆ Attendee will understand the pathophysiology of BPPV
- ◆ Attendee will identify and understand various testing and treatment options for patients with BPPV

## ***Management & Diagnosis of Vestibular Disorders***

### Objectives:

- ◆ What is a Balance Disorder
- ◆ How does the balance system work
- ◆ What are the symptoms and cause of balance disorders
- ◆ What are some types
- ◆ How are balance disorders diagnosed and treated

## ***The Treatment and Rehabilitation of the Amputee***

### Objectives:

- ◆ Identify the impact of amputation on patient and caregivers
- ◆ Define and understand basic time frame related to properly fitting and delivering a prosthesis
- ◆ Identify and understand various prosthesis options for patients with amputee
- ◆ Demonstrate understanding of the rehabilitation process, including the importance of interdisciplinary team communication

## ***Prosthetic Solutions***

### Objectives:

- ◆ What should a patient expect with a new amputation?
- ◆ Ways to don a shrinker; Ace Wrap techniques, Shrinker donning tool
- ◆ Problematic Shapes, IPOP stump protector
- ◆ Logical determination of "K-Level" (functional level) and potential as an ambulatory
- ◆ Prosthetic components and Rational for choosing them
- ◆ High Tech components and where the future will lead us
- ◆ Cosmetic covers and technology

## ***Orthotic Solutions***

### Objectives:

- ◆ AFO designs and componentry
- ◆ Pathomechanics of the foot and resulting gait
- ◆ KAFO designs and when we choose KAFO over AFO
- ◆ Recipicating gait orthosis (RGO) for paraplegia
- ◆ Spinal orthotics and diagnoses

## ***Upper Extremity Prosthetics***

### Objectives:

- ◆ Conventional UE prosthetics
- ◆ Myoelectric prosthetics
- ◆ Using a myotester and patient training techniques in myoelectric prosthetics
- ◆ Bionic prosthetics and using the I-Limb

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## ***Getting to the Heart of It – Cardiac Rehab in the Acute Rehab Setting***

### Objectives:

- ◆ The interim step between acute care and home with outpatient cardiac rehab, the facility addresses the medical, functional and psychosocial needs of patients with cardiac dysfunction, assuring a successful home discharge.
- ◆ Addresses the cardiac needs of the ever increasing numbers of rehabilitation patients that have secondary cardiac co-morbidities that are hindered in their progress due to the cardiac issues.
- ◆ Will outline the program components, as well as the goals and philosophy of the program

## ***Level of Care – To Be or Not to Be***

### Objectives:

- ◆ This review includes requirements for admissions as well as examples of appropriate patients
- ◆ Gain an understanding of the differences between post-acute rehab providers
- ◆ An overview of patient selection criteria for admission to an Inpatient Rehabilitation Facility (IRF)

## ***Efficacy & Clinical Application of one of the following technologies***

### Objectives:

An overview of the following rehabilitation technologies can be provided and/or a one hour presentation dedicated to each technology can occur allowing for more focus and discussion of the equipment as well as a literature review and evidence of its efficacy.

- ◆ Body Weight-Supported Treadmill Training –with and without robotics
  - LiteGait
  - AutoAmbulator
- ◆ Functional Electrical Stimulation
  - Bioness H200
  - Bioness L300
  - RT 300 (FES bike)
- ◆ Therapy Robots
  - Myomo e100
  - In Motion Robots

## ***Aquatic Therapy***

### Objectives:

- ◆ Overview of the benefits of aquatic therapy
- ◆ Contradictions of participating in aquatic exercise
- ◆ Treatment approached for varying impairments such as orthopedic injury versus a neurological injury
- ◆ Understanding reimbursement for this treatment modality

## ***Applying Massachusetts Driving Regulations to at Risk Elders and After a Medical Event***

### Objectives:

- ◆ Review of current RMV reporting and medical clearance procedures following a medical event
- ◆ Options are clarified for physicians, therapists and families when there is a concern about driving
- ◆ Patient selection criteria are reviewed
- ◆ Selecting a driving evaluation program

### ***Home Modifications, Considerations for Discharge***

#### Objectives:

- ◆ Participants will gain knowledge of the key elements to consider for safe and successful discharge to the home setting. This program is intended for all clinicians involved in the rehabilitation process

### ***Community Re-Entry: Outpatient Neuro Rehab Services***

#### Objectives:

- ◆ Overview of comprehensive community-based treatment program for the traumatic and acquired brain injury
- ◆ Gain a better understanding of the multidisciplinary approach to treatment in order to maximize the individuals re-integration into the community

### ***Understanding Post-Acute Levels of Care One Case at a Time***

#### Objectives:

- ◆ Gain a better understanding of the application of selection criteria for post acute rehabilitation through a presentation and discussion of case studies

### ***Wheelchair Options***

#### Objectives:

- ◆ Overview of comprehensive approach to seating/positioning solutions

### ***Multiple Sclerosis***

#### Objectives:

- ◆ Overview of the disease process and types of MS
- ◆ The disease impact on a patient's functional performance
- ◆ Treatment approaches
- ◆ Benefits of acute rehabilitation

### ***Spinal Cord Injuries: A review for Case Managers***

#### Objectives:

- ◆ A brief introduction to spinal cord injuries
- ◆ Reviews the strategies needed to effectively navigate the challenges patients face during inpatient rehabilitation

# CONTINUING EDUCATION PRESENTATIONS

We are pleased to offer, in collaboration with Senior Resource Center, Inc., the complimentary CEU presentations listed below to professional staff at your facility or agency.

**CREDITS: 1.2 Contact Hours for Nurses (Massachusetts/New Hampshire); 1.2 Contact Hours for Social Workers; 1.0 CCM for Case Manager Certification.**

## ***Long Term Planning Solutions: Advocating for your Elder Clients***

This presentation includes: What happens when Medicare coverage ends and long term care is indicated? Who qualifies for Medicaid right away and who must "spend down"? What is the difference between Long Term Care and Community Medicaid Qualifications? What new programs are available to provide services that help keep people in the community? What are the important legal issues to address regarding long term care?

## ***Guardianship: A guide to Health Care Professionals***

This presentation includes: Patient Rights, Legal Capacity, Healthcare Proxy/Durable Power of Attorney, Conservatorship, Guardianship (Temporary, Permanent and Roger's Guardianship).

## ***Veterans Aid and Attendance Pension Benefits***

This presentation includes: What is the benefit? How to access benefits? Eligibility guidelines.

## ***Advance Directives***

This presentation includes: Health Care Proxy, Durable Power of Attorney, Living Wills, and Guardianship.

## ***Risk and Liabilities Facing the Case Manager***

This presentation includes: HIPAA, EMTALA, Malpractice, Elder Abuse, Board of Nursing, Documentation and Protection Strategies.