

*Visit
historic*

Boston

for the 31st Annual

NEUROREHABILITATION CONFERENCE

ON TRAUMATIC BRAIN INJURY, STROKE &
OTHER NEUROLOGIC DISORDERS

SATURDAY & SUNDAY, NOVEMBER 6 & 7, 2010

Hyatt Regency Cambridge

575 Memorial Drive • Cambridge, MA 02139



BRAINTREE
REHABILITATION HOSPITAL

FIVE STAR ★ QUALITY CARE

As one of the original conferences dedicated to the treatment of traumatic brain injury, stroke and other neurologic disorders, Braintree Rehabilitation Hospital is excited to begin the 4th decade of our Annual Neurorehabilitation Conference. This conference is designed to be one of the leading educational programs available for rehabilitation clinicians across the country.

Each year, the Conference Planning Committee works with respected researchers and clinicians to develop a program that provides the most current information on treatment strategies designed to improve patient outcome. In addition, the conference continues to promote improving knowledge about the effects of injury on the brain, the role of brain plasticity in recovery and how treatment interventions influence recovery. This year's program has tracks devoted to plasticity, attention and awareness, spasticity, vestibular disorders, upper extremity management, effects of exercise and behavior problems.

Other featured topics include robotics in rehabilitation, disorders of consciousness, pragmatics of cognitive communication disorders and performance deficits after stroke. Special talks include chronic traumatic encephalopathy in sports and personal reflections of a well-known correspondent on the effects of Parkinson's Disease on himself and other family members.

Attendees will have the opportunity to choose from over 20 individual sessions related to Traumatic Brain Injury, Stroke and Parkinson's Disease.



Braintree Rehabilitation Hospital has earned the Joint Commission's Gold Seal of Approval for both Stroke Rehabilitation and Acquired Brain Injury Rehabilitation Programs. This makes Braintree Rehabilitation Hospital the first rehabilitation hospital in Massachusetts to receive these Disease-Specific Care Certifications.

ABOUT FIVE STAR QUALITY CARE

Five Star Quality Care, located in Newton, Massachusetts, is the parent company of Braintree Rehabilitation Hospital and New England Rehabilitation Hospital, as well as owner and operator of 200 properties in 30 states. With over 17,000 beds and units, and a staff of close to 20,000 employees, Five Star Quality Care upholds a commitment to lifelong wellness. As part of that commitment, Five Star Rehabilitation and Wellness Services, an experienced leader in rehabilitation, operates over 30 outpatient rehabilitation clinics, offering comprehensive rehabilitation services. With independent and assisted living communities, skilled nursing facilities, rehabilitation clinics and institutional pharmacies, Five Star Quality Care's commitment to wellness puts people first.

GOALS & OBJECTIVES

At the conclusion of this meeting participants will be able to:

- Describe principals of brain plasticity after stroke and the role of rehabilitation in exploiting neuroplasticity to maximize recovery.
- Describe the characteristics of confusional states after brain injury, how to measure these characteristics and how they predict recovery.
- Identify assessment strategies and rehabilitative treatments of cognitive impairments based on research evidence and using new technologies and paradigms.
- Describe assessment and treatment strategies for increased tone and spasticity and for vestibular disorders.
- Identify evidence-informed therapeutic management alternatives for improving upper extremity function.
- Delineate the nature of cognitive and pragmatic communication disorders after TBI & treatment approaches that promote improvement.
- Discuss the effects of brain injury on self-awareness, and how it affects treatment during rehabilitation.
- Describe disorders of consciousness after brain injury, how they recover and how pharmacologic treatments, such as amantadine, affect recovery.
- Discuss causes of stroke, including cryptogenic stroke, related to structural abnormalities in the heart.
- Discuss autonomic dysfunction in neurologic patients
- Describe the effects of repeated brain injury on the brain in sports and the potential for chronic cognitive dysfunction.
- Describe the effects of exercise on functioning in patients with Parkinson's Disease and the neural basis of improvement from animal studies.
- Describe the evidence supporting the role of rehabilitation on improving function in patients with Parkinson's Disease.
- Discuss the interaction of cognitive and physical deficits affecting function after stroke, how to identify them and promote functional recovery and adaptation at home and in the community.
- Describe behavioral problems after brain injury and how to manage them.
- Discuss the role of robotics in promoting recovery after stroke.
- Discuss the use of medications for cognitive and behavioral problems on the inpatient rehabilitation unit.
- Describe the effects of a chronic disorder, such as Parkinson's Disease, on a person and their family.

SUGGESTED AUDIENCE

Medical and allied health professionals involved in the evaluation and management of individuals with traumatic brain injury, stroke and other neurologic disorders. Appropriate for medical rehabilitation professionals at all levels of care, all levels of experience and in all disciplines.



CONFERENCE SETTING

The Hyatt Regency Cambridge (<http://cambridge.hyatt.com/hyatt/hotels/index.jsp>) is located approximately 5.5 miles from Logan International Airport, easily accessible by taxi or public transportation.

A limited number of guest rooms are available until October 12, 2010 at the significantly discounted rate of \$199 single/double. Please **BOOK EARLY** as these rooms will sell out fast.

You may book your room online at <https://resweb.passkey.com/go/8f2c67e8> or by contacting reservations directly at 1-888-421-1442 and mentioning the 31st Annual Neurorehabilitation Conference.

Please contact the Education Coordinator at 781-348-2113 or email EducationBRH@5sqc.com if you need any assistance.

EXHIBIT/SPONSORSHIP INFORMATION

There are several opportunities for exhibiting and sponsorships for the conference. Please contact the Education Coordinator at 781-348-2113 for more information or log onto our website www.braintreerehabhospital.com to download the exhibitor prospectus.

ADA COMPLIANCE

Braintree Rehabilitation Hospital will take all reasonable measures to guarantee equal access to learning opportunities. If any participant in this educational activity is in need of accommodation, please notify Donna Carr at 781-348-2113.

EDUCATIONAL INFORMATION

Certificates of Attendance for up to 11.25 Contact Hours will be awarded to participants who submit completed evaluation forms. For information on continuing education credits, please contact the Education Coordinator at 781-348-2113 or email EducationBRH@5sqc.com.

Continuing Education Accreditation

- **Nursing** - Braintree Rehabilitation Hospital is an approved provider of continuing nursing education by the Massachusetts Association of Registered Nurses, Inc., an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.
- **CME** - Braintree Rehabilitation Hospital is accredited by the Massachusetts Medical Society to provide continuing medical education for physicians. Braintree Rehabilitation Hospital designates this Continuing Medical Education activity for a maximum of 11.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.
- **APA** - Braintree Rehabilitation Hospital is approved by the American Psychological Association to sponsor continuing education for psychologists. Braintree Rehabilitation Hospital maintains responsibility for the program and its content. 11.25 credit hours will be awarded.
- **Physical and Occupational Therapists** - A Certificate of Attendance will be awarded to Physical Therapists and Occupational Therapists. According to the guidelines for APTA and NBCOT, these hours may be credited toward re-licensing during the renewal period.
- **ASHA**

REGISTRATION INFORMATION

Registrations will be accepted on a first-come first serve basis. Registration fees, deadlines and payment information are listed on the registration form. Payment may be made via check or credit card. Checks/money orders should be made payable to Braintree Rehabilitation Hospital.

Fees include: tuition, certificate of completion, continental breakfast and snacks on Saturday and Sunday; boxed lunch and reception (Saturday only).

Refund requests, minus a \$50 non-refundable fee, will be honored if the request is received in writing before October 15, 2010.

To Register

Mail or fax (781-380-4196) the enclosed registration form and payment to:

Donna Carr
Education Coordinator
Braintree Rehabilitation Hospital
250 Pond Street
Braintree, MA 02184

For more information, call: 781-348-2113 or visit our website at www.braintreerehabhospital.com.

EDUCATION GRANTS

This activity is partially funded by education grants from a variety of companies. A listing of companies will be available at the conference and in the conference syllabus. Please take time to visit our vendors during the breaks. Vendor support of this educational activity does not imply approval or endorsement of any products by the accrediting organizations or Braintree Rehabilitation Hospital.

DISCLOSURE

Disclosure Statements are on file at Braintree Rehabilitation Hospital for all presenters. Instructors will announce their relationship with the manufacturers or providers of services that may be discussed in the course. A listing of all speakers' disclosures will also be available at the conference.



Braintree Rehabilitation Hospital is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. **See course information for number of ASHA CEUs, instructional level and content area.** ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This program is offered for 1.1 CEU intermediate level; professional area.

CONFERENCE SESSION HANDOUTS

PDF versions of PowerPoint presentations will be available, **if provided by the speaker**, on the conference website beginning October 29, 2010. Handouts will not be provided in the conference syllabus; however, one page per session will be provided for note taking. In order to be environmentally-friendly, we do not encourage printing of all handouts; however, you may do so if you prefer to have a copy of the presentation at the conference.

AGENDA

FRIDAY, NOVEMBER 5, 2010

3:00-5:00pm Pre-Registration

SATURDAY, NOVEMBER 6, 2010

7:30-8:00am Registration/Continental Breakfast

8:00-8:10am WELCOME/OVERVIEW
Douglas Katz, MD

8:15-9:45 am OPENING SESSIONS – A

Choice of one (1) session only. Please mark your selection in the appropriate box on the registration form.

- A1** Evaluation of Post-Traumatic Confusion/Amnesia and Implications for Outcomes
Mark Sherer, Ph.D., ABPP, FACRM
- A2** Maximizing Recovery Potential Post-Stroke: NeuroPlasticity – Part 1
Beth Fisher, Ph.D., PT

9:45-10:00am BREAK/EXHIBITORS

10:00-11:30am CONCURRENT MORNING SESSIONS – B

Choice of one (1) session only. Please mark your selection in the appropriate box on the registration form.

- B1** Assessment & Treatment of Impaired Self Awareness
Mark Sherer, Ph.D., ABPP, FACRM
- B2** Maximizing Recovery Potential Post-Stroke: NeuroPlasticity – Part 2
Beth Fisher, Ph.D., PT
- B3** Cryptogenic Stroke & Patent Foramen Ovale (PFO) in Young Adults
Vincent M. Vacca, Jr., RN, MSN, CCRN

11:30-11:40am BREAK/EXHIBITORS

11:40am-12:30pm SPECIAL PLENARY
Head Games: Chronic Traumatic Encephalopathy and the Long-Term Effects of Repetitive Head Trauma in Athletes
Robert Stern, Ph.D.

12:30-1:30pm BOXED LUNCH PROVIDED

1:30-3:00pm CONCURRENT AFTERNOON SESSIONS – C

Choice of one (1) session only. Please mark your selection in the appropriate box on the registration form.

- C1** Social Cognition and Pragmatic Communication after TBI
Lyn S. Turkstra, Ph.D., CCC-SLP, BC-ANCCS
- C2** A Mechanism Based Framework for Neurorehabilitation
Carolynn Patten, Ph.D., PT
- C3** Neurally Mediated Syncope or “Going Vagal”
Vincent M. Vacca, Jr., RN, MSN, CCRN
- C4** Pretzel Logic: A Practical Approach to Spasticity
Stephen Koelbel, MD
- C5** Lives in Transition: Supporting Adolescents with Brain Injury into Young Adulthood
Ron Allen, Ph.D., BCBA, CBIS; Tunzel Hayes; Candace McCann, LICSW, MSW

3:00-3:15pm BREAK/EXHIBITORS
3:15-5:00pm CONCURRENT AFTERNOON SESSIONS – D

Choice of one (1) session only. Please mark your selection in the appropriate box on the registration form.

- D1** Intervention for Cognitive-Communication Disorders after TBI: An Overview of the Evidence.
Lyn S. Turkstra, Ph.D., CCC-SLP, BC-ANCDS
- D2** Upper-Extremity Motor Recovery Post-Stroke: Learning the Movement or Changing the Strategy?
Carolynn Patten, Ph.D., PT
- D3** Cognitive/Behavioral Medications in Inpatient Rehabilitation of Traumatic Brain Injury
Nancy Le, RNC, NP; Douglas Katz, MD; Sandra Fullerton, RN; Anthony Kabuga, RN
- D4** Spasticity and Contractures: What Works, What Doesn't, and Why
T. Desmond Brown, MD

5:00-6:30pm RECEPTION with EXHIBITORS

SUNDAY, NOVEMBER 7, 2010

8:30-9:00am CONTINENTAL BREAKFAST/EXHIBITORS
9:00-10:30am CONCURRENT MORNING SESSIONS – E

Choice of one (1) session only. Please mark your selection in the appropriate box on the registration form.

- E1** Central & Behavioral Effects of Exercise in the MPTP-Lesioned Mouse and in Patients with Parkinson's Disease
Beth Fisher, Ph.D., PT
- E2** Identifying Performance Deficits Following Stroke
Carolyn Baum, PhD, OTR/L, FAOTA; Timothy J. Wolf, OTD, MSCI, OTR/L
- E3** Disorders of Consciousness after Brain Injury – Evaluation & Treatment (Report of the Amantadine Trial)
Douglas Katz, MD
- E4** Practical Assessment of the Dizzy Patient
Steven D. Rauch, M.D.
- E5** Disorders of Emotional Recognition and Expression After TBI
Rodger Ll. Wood, DCP, PhD, FBP's

10:30-10:45am BREAK/EXHIBITORS
10:45am-12:15pm CONCURRENT MORNING SESSIONS – F

Choice of one (1) session only. Please mark your selection in the appropriate box on the registration form.

- F1** Management of Patients with Parkinson Disease Across the Continuum of Care: A Practical Evidence-Based Approach
Terry Ellis, PhD, PT, NCS
- F2** Self-Management Following Stroke: Return to Home, Community, and Work
Carolyn Baum, PhD, OTR/L, FAOTA; Timothy J. Wolf, OTD, MSCI, OTR/L
- F3** Robotics in Stroke Rehabilitation and Cerebral Palsy Habilitation
Hermano Igo Krebs, Ph.D.; Albert Lo, M.D., Ph.D.
- F4** Vertigo: Treatment Strategies for BPPV
Kathy Joy, PT, MBA
- F5** Understanding Aggression after TBI: Disorders of Inhibitory Control vs. Episodic Dyscontrol
Rodger Ll. Wood, DCP, PhD, FBP's

12:20-1:30pm CLOSING SYMPOSIUM
I have Parkinson's ... Now what?
David Iverson, Producer/Correspondent for PBS Frontline documentary on Parkinson's disease: "My Father, My Brother and Me."



BRAINTREE HOSPITAL SPEAKERS

Sandra Fullerton, RN

Acquired Brain Injury Unit

Kathy Joy, PT, MBA

Clinic Site Manager for Vestibular & Balance Program

Anthony Kabuga, RN

Charge Nurse

Acquired Brain Injury Unit

Douglas Katz, MD

Medical Director, TBI Program

Acquired Brain Injury Program

Associate Professor, Neurology

Boston University School of Medicine

Stephen Koelbel, MD

Medical Director, Spasticity Management Program

Nancy Le, RNC, MSN, CNRN

Neurology Nurse Practitioner

2010 NEUROREHABILITATION CONFERENCE COMMITTEE

CHAIR

Douglas I. Katz, MD

Medical Director, TBI Program

PROGRAM COMMITTEE

Kate Bendix, PT, ATP

Suzanne Boyle, MS, OTR/L

Daniel Coughlan, MS, PT, NCS

Randy Doherty, CEO

Teresa Hayes, MSW, LICSW

Janna Jang, OTR/L

Elizabeth Lus, OTR/L

Meline Nichols, OTR/L

Randall Otto, Ph.D.

Meg Polyak, MS, CCC-SLP

Daniel Parkinson, PT, MBA

Jeanne Savage, RN, CRRN

Melissa Simonian, M.Ed., CCC-SLP

Kimberly VanDaley, MS, PT

CONFERENCE COORDINATOR

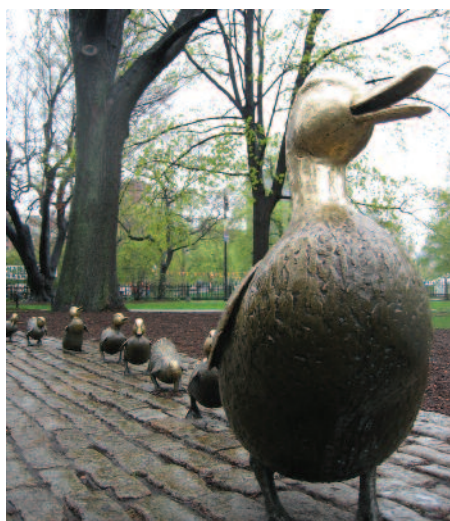
Donna Carr

REGISTRATION COMMITTEE

Jeanne Savage, RN, CRRN

Linda Savage

Ellen Spiegel



INVITED SPEAKERS

Ron Allen, Ph.D., BCBA, CBIS

Director of Brain Injury Services
Ivy Street School
Brookline, Massachusetts

Carolyn Baum, PhD, OTR/L, FAOTA

Program in Occupational Therapy
Department of Neurology
Washington University School of Medicine
St. Louis, Missouri

T. Desmond Brown, MD

Assistant Professor of Orthopaedic Surgery
Boston University School of Medicine
Director, The Center for Neurorehabilitation
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Boston, Massachusetts

Terry Ellis, PhD, PT, NCS

Boston University
Sargent College of Health &
Rehabilitation Sciences
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Beth Fisher, Ph.D., PT

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Division of Biokinesiology and Physical
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Los Angeles, California

Tunzel Hayes

Vocational Director
Ivy Street School
Brookline, Massachusetts

David Iverson

Producer/Correspondent
PBS Frontline documentary on
Parkinson's disease:
"My Father, My Brother and Me"
San Francisco, California

Hermano Igo Krebs, Ph.D.

Massachusetts Institute of Technology
Boston, Massachusetts

Albert Lo, M.D., PhD

Assistant Professor
Brown University Departments of Neurology,
Community Health and Engineering Staff
Physician
Providence VA Medical Center
Associate Director
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Carolynn Patten, Ph.D., PT

Associate Professor
University of Florida
Departments of: Physical Therapy;
Neurology; and Applied Physiology
& Kinesiology

Senior Research Scientist
VA Brain Rehabilitation Research Center
of Excellence
Malcom Randall VA Medical Center
Gainesville, Florida

Steven D. Rauch, M.D.

Professor, Otology and Laryngology
Harvard Medical School
Otology Service Senior Surgeon
Director, Clinical Balance Center
Massachusetts Eye and Ear Infirmary
Boston, Massachusetts

Mark Sherer, Ph.D., ABPP, FACRM

Senior Scientist, Director of Research
Director of Neuropsychology
TIRR Memorial Hermann
Clinical Professor of Physical Medicine
and Rehabilitation Baylor College of
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School at Houston
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Robert Stern, Ph.D.

Associate Professor of Neurology
Boston University School of Medicine
Co-Director, Center for the Study of
Traumatic Encephalopathy
Director, Clinical Core, BU Alzheimer's
Disease Center
Co-Director, Alzheimer's Disease Clinical
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Program in Occupational Therapy
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Rodger Ll. Wood, DCP, PhD, FBPSS

Professor of Neuropsychology
School of Human and Health Sciences
Swansea University
Wales, UK



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