Eighteenth Annual Brain Injury Symposium

October 13-14, 2012
JW Marriott Hotel Miami
Miami, Florida
Eighteenth Annual Brain Injury Symposium

Practical Application and Innovation

October 13-14, 2012
JW Marriott Hotel Miami
Miami, Florida

Keynote speaker:
Robert C. Cantu, M.A., M.D., FACS, FACSM
Clinical Professor, Neurosurgery, Boston University School of Medicine; Co-Director, Center for the Study of Traumatic Encephalopathy (CSTE), Boston University Medical Center, Boston, Massachusetts
Senior Advisor to NFL’s Head, Neck and Spine Committee, Founding Member and Chairman, Medical Advisory Board Sports Legacy Institute (SLI), Waltham, Massachusetts

Co-sponsored with Baptist Neuroscience Center

Presented by

Baptist Hospital Rehabilitation Center
BAPTIST HEALTH SOUTH FLORIDA
Target Audience
- Neurologists
- Psychiatrists
- Psychologists
- General Internists
- Family Physicians
- Pediatricians
- Physical Therapists
- Physical Therapy Assistants
- Occupational Therapists
- Speech-Language Pathologists
- Certified Occupational Therapy Assistants
- Nurses
- Social Workers
- Case Managers
- Mental Health Workers
- Recreational Therapists
- Pharmacists
- Respiratory Therapists
- Athletic Trainers
- Radiology Technologists
- Physical Therapy Assistants
- Occupational Therapists
- Certified Occupational Therapy Assistants
- Speech-Language Pathologists
- Nurses
- Social Workers
- Case Managers
- Mental Health Workers
- Recreational Therapists
- Pharmacists
- Respiratory Therapists
- Athletic Trainers
- Radiology Technologists

Symposium Goal
To improve the quality of patient care by providing healthcare professionals with an in-depth update on new techniques and research in the treatment of traumatic brain injury and stroke patients.

Educational Objectives
Upon completion of this conference, participants should be better able to:
- Identify symptoms of concussion and post-concussion syndrome.
- Explain the long-term impact of repetitive concussions and encephalopathy.
- Recognize the functional changes in patients with repetitive concussions.
- Identify post-concussion symptoms.
- Explain the pathophysiology of a concussion, and correlate initial symptom presentation of a concussed athlete with the biomechanical aspects of the injury and the affected brain structure.
- Implement the appropriate guidelines regarding concussion recognition and management and the psychological issues following a concussion.
- Describe the role of exercise and explain the treatment process used to resolve impairments that cause activity limitations as a result of mild traumatic brain injury (TBI).
- Employ graded exercise assessment to identify TBI-related physiological dysfunction, and design a progressive exercise program to reduce these impairments.
- Identify and assess vestibular-related impairments and develop an appropriate exercise treatment program.
- Incorporate family-based interventions into rehabilitation treatment plans utilizing strategies that engage family participation in rehabilitation activities to increase patient adherence.
- Identify movement disorders that may present after a brain injury, and explain how these disorders affect the rehabilitation process.
- Delineate the treatment options for movement disorders after a brain injury and implement the most appropriate treatment option.
- Recognize the different forms of mild cognitive impairment, and implement appropriate testing and the indicated therapeutic interventions to improve patient outcomes.
- Explore available rehabilitation robots for upper and lower extremities, and determine when integration of robots into treatment plans will improve patient outcomes.
- Incorporate rehabilitation robots into the initial assessment and rehabilitation of stroke patients and/or patients with cerebral palsy.
- Explain the functional changes associated with administering botulinum toxin treatment for patients suffering from spasticity.
- Integrate the use of botulinum toxin as a component of a treatment plan for post-stroke spasticity and, where appropriate, utilize it along with a rehabilitative physical therapy program to improve treatment outcomes.
Identify and implement treatment plans that address vascular lesions affecting cognition.

Interpret the epidemiology of subclinical vascular disease.

Recognize the communication processes that are disrupted in stroke patients with right versus left hemisphere brain damage.

Distinguish between asphasia and cognitive-communication disorder and implement optimal treatment plans.

**Faculty**

**Bradley M. Aiken, M.D.**  
Symposium Co-director  
Medical Director, Department of Rehabilitation  
Baptist Hospital Brain Injury Programs  
Miami, Florida

**Kaia Calbeck, Ph.D.**  
Clinical Psychologist and Neuropsychologist  
Medical Staff, Baptist Hospital of Miami  
Private Practice, Miami, Florida

**Robert C. Cantu, M.A., M.D., FACS, FACSM**  
Keynote Speaker  
Chief, Neurosurgery Service,  
Chairman Department of Surgery  
Director, Service of Sports Medicine  
Emerson Hospital  
Concord, Massachusetts

**Lisa Farrell, P.T., Ph.D., A.T., C.**  
Adjunct Professor, Nova Southeastern University  
Department of Physical Therapy  
Fort Lauderdale, Florida  
Contract Physical Therapist  
Orthosport Therapy and Performance Center  
Davie, Florida

**Caroline Godinez, CTRS**  
Brain Injury and Concussion Programs Coordinator  
Rehabilitation Services, Baptist Hospital of Miami  
Miami, Florida

**Amitabh Gupta, M.D., Ph.D.**  
Neurohospitalist and Movement Disorders Specialist  
Baptist Hospital of Miami, Miami, Florida

**Richard A. Hamilton, Ph.D.**  
Symposium Co-director  
Clinical Director, Department of Rehabilitation  
Baptist Hospital Brain Injury and Concussion Programs  
Private Practice, Miami, Florida

**Allan Herskowitz, M.D., FACP, FAAN**  
Chief, Department of Neurology  
Baptist Hospital of Miami  
Voluntary Faculty Assistant Clinical Professor,  
University of Miami Miller School of Medicine and  
Herbert Wertheim College of Medicine at Florida International University  
Private Practice, Miami, Florida

**Monica Hough, Ph.D., CCC/SLP**  
Professor and Chairperson  
Communication Sciences & Disorders  
College of Nursing and Health Sciences  
Florida International University  
Miami, Florida

**Hermano I. Krebs, Ph.D.**  
Principal Research Scientist, Newman Laboratory for Biomechanics and Human Rehabilitation,  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

**Elizabeth Matalon, P.T., MBA**  
Administrative Director, Rehabilitation Service  
Baptist Hospital of Miami, Miami, Florida

**Alberto R. Ramos, M.D., MSPH**  
Assistant Professor of Neurology  
Director for Neurology, Sleep Medicine Program  
University of Miami Miller School of Medicine  
Miami, Florida

**Rafael A. Rivas-Vazquez, Psy.D.**  
Neuropsychologist  
NeuroScience Consultants  
Adjunct Associate Professor, Department of Psychology, University of Miami  
Medical Staff, Baptist Hospital of Miami  
Miami, Florida

**Disclosures and Conflict of Interest Resolutions**

Baptist Health South Florida requires resolution of all conflicts of interest to ensure balance, independence, objectivity and scientific rigor in all CME programming. Conflicts of interest of all individuals who control CME content will be identified and resolved prior to this educational activity. Full disclosure will be made in the syllabus. Presenters will also disclose discussion of off-label uses.
# Agenda

## SATURDAY, OCTOBER 13

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>7:00 a.m.</td>
<td>Registration and Continental Breakfast</td>
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<tr>
<td>7:50 a.m.</td>
<td>Welcome and Introductions</td>
<td>Bradley M. Aiken, M.D.</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Short- and Long-term Consequences of Repetitive Head Trauma and Post-Concussion Syndrome — CTE Chronic Traumatic Encephalopathy</td>
<td>Robert C. Cantu, M.D, Keynote Speaker</td>
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<tr>
<td>10:00 a.m.</td>
<td>Break and Exhibits</td>
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</tr>
<tr>
<td>10:15 a.m.</td>
<td>Sports Concussion: Assessment and Management</td>
<td>Richard A. Hamilton, Ph.D.</td>
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<tr>
<td>12:15 p.m.</td>
<td>Lunch</td>
<td></td>
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<tr>
<td>1:15 p.m.</td>
<td>Family-based Interventions After Brain Injury</td>
<td>Kaia Calbeck, Ph.D.</td>
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<tr>
<td>2:15 p.m.</td>
<td>Movement Disorders Following Brain Injury</td>
<td>Amitabh Gupta, M.D., Ph.D.</td>
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<tr>
<td>3:15 p.m.</td>
<td>Break</td>
<td></td>
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<tr>
<td>3:30 p.m.</td>
<td>Mild Cognitive Impairment</td>
<td>Rafael A. Rivas-Vazquez, Psy.D.</td>
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<tr>
<td>4:30 p.m.</td>
<td>Closing Remarks and Adjourn</td>
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## SUNDAY, OCTOBER 14

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m.</td>
<td>Registration and Continental Breakfast</td>
<td></td>
</tr>
<tr>
<td>7:50 a.m.</td>
<td>Announcements and Introduction</td>
<td>Caroline Godinez, CTRS</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Robotics in Stroke and Cerebral Palsy Rehabilitation</td>
<td>Hermano I. Krebs, Ph.D.</td>
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<tr>
<td>9:30 a.m.</td>
<td>Break and Exhibits</td>
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</tr>
<tr>
<td>9:45 a.m.</td>
<td>Treatment of Spasticity With Botox</td>
<td>Allan Herskowitz, M.D.</td>
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<tr>
<td>10:45 a.m.</td>
<td>Vascular Cognitive Impairment (VCI)</td>
<td>Alberto R. Ramos, M.D.</td>
</tr>
<tr>
<td>11:45 a.m.</td>
<td>Communication Profiles Associated With Stroke</td>
<td>Monica Hough, Ph.D., CCC/SLP</td>
</tr>
<tr>
<td>12:45 p.m.</td>
<td>Review, Certificates and Adjourn</td>
<td></td>
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</tbody>
</table>

Certificates will be distributed at the end of the symposium. Please refer to “NOTE” in the Accreditation and Credits section regarding partial credit.
Accreditations and Credits

Baptist Health South Florida is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Baptist Health South Florida designates this live activity for a maximum of 6.75 AMA PRA Category 1 Credits™ for Saturday and 3.50 AMA PRA Category 1 Credits™ for Sunday. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Baptist Health South Florida is approved as a provider of Continuing Psychological Education by the Florida Board of Psychology. CE Broker provider #50-182. This activity has been approved for 6.70 credit hours for the Saturday session (CE Broker Course #20-316830) and 3.50 credit hours for the Sunday session (CE Broker Course #20-316832).

This course has been approved for 15.5 continuing education credits from the Florida Physical Therapy Association, course approval CP121018849, provider #50-4321. Accreditation of this course does not necessarily imply that the FPTA supports the views of the presenter or the sponsors. Participants must attend both days in order to receive credits.

This activity has been approved for 7.0 contact hours for Saturday (CE Broker #20-358959) and 4.5 hours for Sunday (CE Broker #20-358904) by the Florida State Board of Nursing, Baptist Health South Florida, CE Broker Provider #50-182.

This activity has been approved on a session-by-session basis for a total of 7.0 credits on Saturday (CE Broker #20-358959) and 4.5 credits on Sunday (CE Broker #20-358904) by the Board of Pharmacy, Baptist Health South Florida, CE Broker Provider #50-182.

This activity has been approved for 7.0 contact hours for Saturday (CE Broker #20-358959) and 4.5 hours for Sunday (CE Broker #20-358904) by the Florida Board of Clinical Social Workers, Marriage and Family Therapists and Mental Health Counselors, Baptist Health South Florida, CE Broker Provider #50-182, expiration 3/31/2013.

This activity has been approved for 7.0 contact hours for Saturday (CE Broker #20-358959) and 4.5 hours for Sunday (CE Broker #20-358904) by the Florida State Board of Occupational Therapy, Baptist Health South Florida, CE Broker Provider #50-182.

This activity has been approved for 7.0 contact hours for Saturday (CE Broker #20-358959) and 4.5 contact hours for Sunday (CE Broker #20-358904) for respiratory therapy personnel in the category of personal growth by the State of Florida, AHCA provider #RCE58, Baptist Health South Florida, CE Broker Provider #50-182.

1.20 CEUs (Intermediate Level, Professional Area) have been applied for Speech and Language Therapy. Participants must attend both days in order to receive credit.

This activity has been approved for 7.0 CEUs for Saturday (CE Broker #20-358906) and 4.0 CEUs for Sunday (CE Broker #20-358920) by the Florida Board of Athletic Training, Baptist Health South Florida, CE Broker Provider #50-182.

Radiologic Technologists: Credit application pending.

NOTE: Partial credits are not available. The accreditation board for Physical Therapy and Speech-Language Pathology requires that participants attend the entire symposium to be eligible for continuing education credits. For all other professions, credits will be awarded for each day, and these attendees must attend the entire day in order to receive credit. (This does not apply to M.D.s and D.O.s.)
Location and Hotel Information

JW Marriott Hotel Miami
1109 Brickell Ave., Miami, FL 33131

The JW Marriott Hotel Miami offers a one-of-a-kind experience that allows you to enjoy the comforts of home during your stay. This award-winning downtown Miami hotel blends the features of a premier conference and meeting facility with timeless elegance, thoughtful amenities and award-winning service. Relaxation is as close as the luxurious spa and the unique stainless-steel pool. Nearby, The Shops at Mary Brickell Village offer an eclectic mix of upscale dining, shopping and entertainment options.

A limited number of guest rooms are available at the symposium rate of $159 per night, plus applicable taxes. This special rate is available until September 21, 2012. Make your reservation by calling 1-800-503-1434, and mention the special code, BHOBHOA, to receive the discounted rate.

Parking

Parking is available at the hotel. The day rate for parking is $8 through the valet service. Overnight parking is $24 per night. Participants are responsible for all parking charges.

Registration

The registration fee includes course credits, course syllabus, continental breakfasts and snacks on Saturday and Sunday, plus lunch on Saturday. Physical therapists and speech-language pathologists must attend the entire two-day symposium in order to receive credit. M.D.s and D.O.s must claim the exact number of hours spent in the symposium. Accreditation boards for all other professions require that participants attend each day in its entirety to be eligible for continuing education credits.

Cancellation Policy

All cancellations must be received by Friday, October 5, to be eligible for a refund less a $25 administrative fee. Registrations postmarked after October 5 are ineligible for a refund. For additional hotel or course information, please call Judy Kaufman, P.T., Education Coordinator, Rehabilitation Center, at 786 596-3349.
Registration Form

Registration deadline is Friday, October 5.

Registration fees:
- $375 Two-day course
- $250 Saturday only
- $150 Sunday only
- $250 Students and Medical Residents
- $200 Baptist Health employees

NOTE: Accreditation boards require that participants attend the entire day to be eligible for continuing education credits. Physical therapists and speech-language pathologists must attend the entire two-day symposium. M.D.s and D.O.s must claim credit equal to the amount of time spent in the symposium.

Name ___________________________________________________________________________
Profession/Specialty________________________________________________________________
Institution/Affiliation _______________________________________________________________
Home Address ___________________________________________________________________
City/State/Zip______________________________________________________________________
Day Telephone __________________________ Evening Telephone __________________________
Email ___________________________________________________________________________

Method of Payment:
- Check enclosed (payable to Baptist Health South Florida; write Brain Injury Symposium in the memo area)
- American Express
- MasterCard
- Visa
- Discover

Amount Authorized $ _________ Card Number _____________________________________
Expiration Date ________ Cardholder Name ________________________________________
Authorized Signature ___________________________________________________________

Return this completed form to:
Fax: 786-596-2458
Mail: Judy Kaufman, P.T., Education Coordinator
Baptist Medical Arts Building, Outpatient Orthopedic Physical Therapy
8940 N. Kendall Drive, Suite 102-E, Miami, Florida 33176

For additional hotel or course information, please call Ms. Kaufman at 786-596-3349.

In consideration of the Americans with Disabilities Act, please check here if you require special meeting services, and we will contact you to determine your specific requirements. Please submit this form two weeks prior to the conference.

Please notify us two weeks prior to the conference if you require any specific dietary accommodations.

Please check one:  
- I will be staying at the JW Marriott Miami.
- I will not be staying at the JW Marriott Miami.