Sixteenth Annual Brain Injury Symposium

October 9-10, 2010
Miami Beach Resort & Spa
Sixteenth Annual Brain Injury Symposium

Advances in Neurological Rehabilitation

October 9-10, 2010
Miami Beach Resort & Spa

Keynote speaker:
Mark R. Lovell, Ph.D.
Professor and Director
Sports Concussion Program
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania

Co-sponsored with Baptista Neuroscience Center

Presented by
Baptist Hospital Rehabilitation Center
Target Audience
- Neurologists
- Psychologists
- Psychiatrists
- Physiatrists
- General Internists
- Family Physicians
- Pediatricians
- Physical Therapists
- 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

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:
- Review the neurophysiology of concussions, explain how changes in brain metabolism relate to symptoms and recognize concussions in children.
- Implement current international return-to-activity guidelines.
- Review common imaging modalities used in the evaluation of patients with traumatic brain injury (TBI).
- Examine the usefulness and limitations of diffusion-weighted imaging and diffusion tensor imaging to identify traumatic and nontraumatic brain abnormalities.
- Utilize magnetic resonance (MR) perfusion and MR spectroscopy to determine the diagnosis and prognosis of brain lesions.
- Identify diagnostic clues and implement treatment strategies for neurotrauma-associated sleep disorders, including hypersomnolence, intercranial pathology, traumatic precipitation, exacerbation of obstructive sleep apnea and post-traumatic stress syndrome.
- Outline the leading causes of TBI in children, including primary and secondary mechanisms of injury, and differentiate these causes from those seen in the adult TBI patient.
- Recognize other medical co-morbidities seen in the pediatric TBI patient.
- Utilize behavior modification techniques in brain injury rehabilitation for maladaptive responses following TBI.
- Examine the spectrum of communication aids appropriate for individuals with TBI, and use the framework for assessment to determine appropriate candidates who could benefit from a speech generating device (SGD).
- Discuss options for funding of augmentative and alternative communication (AAC) devices.
- Examine the management of co-morbidities and stroke risk factors.
- Identify risks for functional decline and post-stroke complications.
- Utilize an integrated model for care across the continuum to optimize recovery and improve physical activity, functional status and quality of life.
- Implement the 2010 AHA/ASA recommendations for prevention of stroke after transient ischemic attack (TIA) and stroke.
Formulate a secondary stroke prevention plan to improve patient compliance with risk-factor control (hypertension, diabetes, cholesterol, lifestyle) to prevent recurrent stroke.

Examine current data on antithrombotic medication therapy and its efficacy on stroke prevention.

Explain the mechanism of action in functional electrical stimulation (FES), and explain available research supporting the effectiveness of FES in the upper and lower extremities following stroke.

Utilize appropriate selection criteria for candidates for an FES trial.

**Faculty**

**Kevin Abrams, M.D.**
Neuroradiologist/Diagnostic Radiologist
Medical Director of Neuroradiology and MRI
Baptist Hospital, Miami, Florida

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

**Pamela W. Duncan, Ph.D., P.T., FAPTA, FAHA**
Professor, Doctor of Physical Therapy Division
Duke University, Durham, North Carolina

**Caroline Godinez, CTRS**
Brain Injury Program Coordinator,
Rehabilitation Services, Baptist Hospital

**Timothy L. Grant, M.D., ABSM**
Diplomate, American Board of Sleep Medicine
Neurologist, Baptist and South Miami Hospitals
Clinical Director of Sleep Medicine Education
Baptist Hospital
Director of Sleep Florida and Sleep Diagnostic Center, Miami, Florida

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

**Seema R. Khurana, D.O.**
Assistant Professor, Department of Rehabilitation Medicine
University of Miami Miller School of Medicine
Miami, Florida

**Mark R. Lovell, Ph.D.**
Professor and Director, Sports Concussion Program
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania

**Michael W. O’Dell, M.D.**
Chief of Clinical Services and Professor of Clinical Rehabilitation Medicine
Department of Rehabilitation Medicine
NewYork-Presbyterian Hospital/Weill Cornell Medical Center
Weill Cornell Medical College
New York City, New York

**Ralph L. Sacco, M.D., M.S., FAAN, FAHA**
Professor and Olemberg Family Chair in Neurological Disorders
Miller Professor of Neurology, Epidemiology and Human Genetics
University of Miami Miller School of Medicine
Chief of Neurology Services, Jackson Memorial Hospital, Miami, Florida

**Carole Zangari, Ph.D., CCC-SLP**
Professor and Director of Tyler Institute for Augmentative Communication: Programs in Speech, Language and Communication Disorders
Nova Southeastern University
Ft. Lauderdale, 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 9

### Traumatic Brain Injury

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:15 a.m.</td>
<td>Registration, Continental Breakfast and Exhibits</td>
</tr>
<tr>
<td>7:45 a.m.</td>
<td>Welcome, Introductions and Session Overview</td>
</tr>
<tr>
<td>Bradley M. Aiken, M.D., Symposium Co-director</td>
<td></td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Management of Concussion in Children: Existing Guidelines and Future Trends</td>
</tr>
<tr>
<td><strong>Mark R. Lovell, Ph.D., Keynote Speaker</strong></td>
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</tr>
<tr>
<td>10:00 a.m.</td>
<td>Brain Imaging: Techniques to Mitigate and Evaluate Traumatic and Nontraumatic Brain Injury</td>
</tr>
<tr>
<td>Kevin Abrams, M.D.</td>
<td></td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>Sleep Disorders as Related to Traumatic Brain Injury</td>
</tr>
<tr>
<td>Timothy L. Grant, M.D.</td>
<td></td>
</tr>
<tr>
<td>12:15 p.m.</td>
<td>Lunch and Exhibits</td>
</tr>
</tbody>
</table>

### Pediatric Brain Injury

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:15 p.m.</td>
<td>Rehabilitation in Pediatric Traumatic Brain Injury</td>
</tr>
<tr>
<td>Seema R. Khurana, D.O.</td>
<td></td>
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<tr>
<td>2:15 p.m.</td>
<td>The Application of Behavior Modification in the Rehabilitation of Children With Traumatic Brain Injury</td>
</tr>
<tr>
<td>Richard A. Hamilton, Ph.D.</td>
<td></td>
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<tr>
<td>3:15 p.m.</td>
<td>Break and Exhibits</td>
</tr>
<tr>
<td>3:30 p.m.</td>
<td>Practically Speaking: Augmentative and Alternative Communication (AAC) Options for Individuals With Traumatic Brain Injury</td>
</tr>
<tr>
<td>Carole Zangari, Ph.D., CCC-SLP</td>
<td></td>
</tr>
<tr>
<td>4:45 p.m.</td>
<td>Adjourn</td>
</tr>
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## SUNDAY, OCTOBER 10

### Cerebral Vascular Accident

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Registration, Continental Breakfast and Exhibits</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Welcome, Introductions and Session Overview</td>
</tr>
<tr>
<td>Caroline Godinez, CTRS</td>
<td></td>
</tr>
<tr>
<td>8:15 a.m.</td>
<td>Stroke As a Chronic Disease — Implications for Care Across the Continuum</td>
</tr>
<tr>
<td>Pamela W. Duncan, Ph.D., P.T., FAPTA, FAHA</td>
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</tr>
<tr>
<td>9:45 a.m.</td>
<td>Break and Exhibits</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>Evidence-based Approaches to Secondary Stroke Prevention</td>
</tr>
<tr>
<td>Ralph L. Sacco, M.D., M.S., FAAN, FAHA</td>
<td></td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>Clinical Applications of Functional Electrical Stimulation After Stroke</td>
</tr>
<tr>
<td>Michael W. O’Dell, M.D.</td>
<td></td>
</tr>
<tr>
<td>12:00 noon</td>
<td>Adjourn</td>
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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 Accrediting Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

Baptist Health South Florida designates this educational activity for a maximum of 7.25 AMA PRA Category 1 Credits™ for Saturday and 3.5 AMA PRA Category 1™ Credits for Sunday. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Baptist Health South Florida is approved by the American Psychology Association to sponsor continuing education for psychologists. Baptist Health South Florida maintains responsibility for this program and its contents. This conference is approved for 7.25 CE credits on Saturday and 3.5 CE credits on Sunday. This is an intermediate-level symposium. Credits have been approved on a session-by-session basis. The American Psychological Association requires full attendance for all CE activities.

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 7.3 credit hours for Saturday (CE Broker Course #20-275789) and 3.5 credit hours for Sunday (CE Broker Course #20-275791).

Baptist Health South Florida is approved as a provider of Athletic Training education. This continuing education course has been approved for 7 hours on Saturday, course #20-276851, and 3 hours on Sunday, course #20-276852, CE Broker provider #50-182.

This activity has been approved by the Florida State Board of Nursing, provider #50-182, for 7.3 hours on Saturday, course #20-276851, and 3.5 hours on Sunday, course #20-176852, CE Broker provider #50-182.

This course has been approved by the Florida Board of Occupational Therapy Practice for 7.25 hours on Saturday, course #20-276851, and 3.5 hours on Sunday, course #20-276852, CE Broker provider #50-182.

This course has been approved by the Florida Board of Clinical Social Work, Marriage and Family Therapy and Mental Health Counseling for 7 hours on Saturday, course #20-276851, and 3 hours on Sunday, course #20-276852, CE Broker provider #50-182.

Baptist Hospital is an approved provider of Pharmacy credits. This course has been approved for 7.25 hours on Saturday, course #20-276851, and 3.75 hours on Sunday, course #20-276852.

Baptist Health South Florida is an approved provider of Respiratory Therapy credits. This course has been approved for 8 hours on Saturday, course #20-276851, and 4 hours on Sunday, course #20-276852, CE Broker provider #50-182.

This course has been approved for 13 continuing education credits from the Florida Physical Therapy Association, course approval CR101015572, 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 credit.

This course is offered for 1.1 CEUs (Intermediate Level, Professional Area). Participants must attend both days in order to receive credit.

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

The Miami Beach Resort & Spa, located on scenic Collins Avenue in Miami Beach, offers an abundance of treasures — sparkling, sugar-white beaches and an ideal location with convenient access to the area’s famed boutiques and excellent restaurants. Enjoy a variety of outdoor activities, including golf, tennis, jet skiing, scuba diving, yacht tours and deep-sea fishing. And when the sun sets, relax and enjoy the moon over Miami and the exciting nightlife.

The Miami Beach Resort & Spa has a limited number of rooms reserved for this symposium at the convention rate of $139/night or $149/night oceanfront. This rate is available for the nights of October 9, 10 and 11, on a first-come, first-served basis, and will be honored through September 9. To make reservations, please call 305-532-3600 or 866-681-1791.

Parking

The hotel rate is $12 per vehicle per day and $18 overnight. Baptist Health will pay $6 per day toward this rate. Participants are responsible for the balance.

Registration

The registration fee includes course syllabus, continental breakfast, snacks on Saturday and Sunday and 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, September 24, to be eligible for a refund less a $25 administrative fee. Registrations postmarked after October 2 are ineligible for a refund. Please make checks payable to Baptist Health South Florida.

For additional hotel or course information, please call Judy Kaufman, PT, Education Coordinator, Rehab, at 786-596-3349.
Registration Form

Registration deadline is Friday, October 1.

Registration fees:

- $350 Two-day course
- $250 Saturday only
- $200 Baptist Health employees
- $250 Saturday only
- $150 Sunday only

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 _______________________________________________________________________

Home Address ___________________________________________________________________

City/State/Zip __________________________

Day Telephone __________________________  Evening Telephone __________________________

E-mail ___________________________________________________________________________

Method of Payment:

- Check enclosed
  (payable to Baptist Health South Florida; write Brain Injury Symposium in the memo area)
- American Express  MasterCard  Visa  Diners Club  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
       Outpatient Orthopedic Physical Therapy, Baptist Medical Arts Building
       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 services, and we will contact you to determine your specific requirements. Please submit this form two weeks prior to the conference.

Special dietary needs:

- Please notify us by October 1 if special meeting or dietary accommodations will be needed.

Please check one:

- I will be staying at the Miami Beach Resort & Spa.
- I will not be staying at the Miami Beach Resort & Spa.