Twenty-second Annual Brain Injury Symposium

Practical Management for Today and Promising Technology for Tomorrow

Saturday-Sunday
October 15-16, 2016
JW Marriott Miami
Miami, Florida

Keynote speaker:
Miguel A. Nicolelis, M.D., Ph.D.
Duke School of Medicine
Distinguished Professor in Neuroscience, Departments of Neurobiology, Biomedical Engineering, and Psychology & Neuroscience
Director, Duke Center for Neuroengineering
Durham, North Carolina

Co-sponsored with Baptist Neuroscience Center

Presented by
Baptist Hospital
BAPTIST HEALTH SOUTH FLORIDA
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
- Athletic Trainers
- Radiology Technologists

Symposium Goal
To improve the quality of patient care by providing an in-depth update on new techniques and research in the treatment of traumatic brain injury and stroke patients, and implementing evidence-based strategies for the assessment and treatment of patients with brain injuries.

Educational Objectives
Upon completion of this conference, participants should be better able to:
- Explain the concepts and utility of brain-machine interface (BMI) and neuroprosthetic devices.
- Describe how BMIs have influenced the development of neuroprosthetics for treating neurological and psychiatric disorders.
- Examine the mechanism of action by which a BMI can control an exoskeleton.
- Identify various factors that can lead to a protracted recovery following pediatric concussion.
- Implement proper strategies to manage pediatric concussions.
- Develop and implement an early mobilization program.
- Employ multidisciplinary treatment techniques to improve level of arousal, responsiveness to environment and gross motor movement in minimally conscious patients with traumatic brain injury (TBI).
- Utilize accurate and effective documentation terminology to support justification of services, reimbursement and appropriate discharge planning.
- Describe visual sequelae post-TBI, and identify the affected visual systems.
- Accurately assess the visual system in the concussed and post-TBI patient.
- Implement appropriate evidence-based treatment methods to address the visual sequelae.
- Identify indications for neurosurgical intervention for the acute stroke patient.
- Recognize the potential outcomes of neurosurgical intervention for acute stroke.
- Examine the latest evidence base for cognitive rehabilitation.
- Implement empirically supported rehabilitation treatment techniques based on the patient’s cognitive disability.
- Recognize, from the patient perspective, the challenges the brain-injured patient faces in comprehending the magnitude of his/her injury, recovery and future difficulties.
- Identify the indications for endovascular treatment of acute stroke.
- Describe the techniques and results of current endovascular treatment.
- Identify the nature and severity of cognitive changes commonly observed following TBI.
- Describe the disabling outcomes associated with executive function impairments, and prescribe appropriate treatments.
Examine the utility and efficacy of a robotic exoskeleton in providing gait training for individuals with mobility deficits secondary to stroke with varying degrees of walking and balance impairment.

Describe clinical and research results that support the use of a robotic exoskeleton for inpatient stroke rehabilitation.

Identify the signs and symptoms of dysphagia that would trigger a referral for a clinical or instrumental evaluation of swallowing.

Describe therapy interventions utilized in the treatment and management of patients with dysphagia.

**Faculty**

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

**Surbhi Bansal, O.D., FAAO**
Assistant Professor, Nova Southeastern University College of Optometry

**Larry Brooks, Ph.D., ABPP-CN**
Neuropsychologist
Private Practice
Miami and Hollywood, Florida

**Guilherme Dabus, M.D., FAHA**
Director, Neurointerventional Surgery Fellowship Program, Miami Cardiac & Vascular Institute
Associate Professor, Herbert Wertheim College of Medicine, Florida International University
Miami, Florida

**Danielle Diaz**
Traumatic Brain Injury Survivor
Miami, Florida

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

**Jill Kaufman, MSPT, CBIS, CWS**
Staff Physical Therapist
St. Mary’s Medical and Trauma Center
West Palm Beach, Florida

**Miguel A. Nicolelis, M.D., Ph.D.**
Keynote Speaker
Duke School of Medicine
Distinguished Professor in Neuroscience
Departments of Neurobiology, Biomedical Engineering, and Psychology & Neuroscience
Director, Duke Center for Neuroengineering
Durham, North Carolina

**Karen J. Nolan, Ph.D.**
Senior Research Scientist
Human Performance and Engineering Research
Kessler Foundation
Associate Professor, Physical Medicine and Rehabilitation
Rutgers New Jersey Medical School
Affiliated Faculty, Biomedical Engineering
New Jersey Institute of Technology
Clinical Research Scientist,
Children's Specialized Hospital
West Orange, New Jersey

**Pedro A. Sáez, Ph.D.**
Clinical Neuropsychologist
Private Practice
Miami, Florida

**Jobyna Whiting, M.D., FAANS**
Neurosurgeon
Baptist Health Neuroscience Center
Miami, Florida

**Joe Zelenke, M.S., CCC-SLP**
Speech-Language Pathologist
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 discussions of off-label uses. American Speech-Language-Hearing Association (ASHA) Speaker Disclosure Statements may be found at the following website:

## Agenda

### SATURDAY, OCTOBER 15

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Registration and Breakfast</td>
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<tr>
<td>7:50 a.m.</td>
<td>Welcome and Introductions</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Brain-Machine Interfaces: From Basic Science to Neurological Rehabilitation Miguel A. Nicolelis, M.D., Ph.D., Keynote Speaker</td>
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<tr>
<td>10:00 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>10:15 a.m.</td>
<td>Factors That May Predict a Protracted Recovery Following Pediatric Concussion Richard A. Hamilton, Ph.D.</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>Comprehensive Rehabilitation of the Minimally Conscious Patient with Traumatic Brain Injury in the Acute Care Setting: A Team Approach Jill Kaufman, MSPT, CBIS, CWS</td>
</tr>
<tr>
<td>12:15 p.m.</td>
<td>Lunch</td>
</tr>
<tr>
<td>1:15 p.m.</td>
<td>An Introduction to Visual Sequelae Post-Traumatic Brain Injury          Surbhi Bansal, O.D., FAAO</td>
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<tr>
<td>2:15 p.m.</td>
<td>Neurosurgical Management of Stroke                                      Jobyna Whiting, M.D.</td>
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<tr>
<td>3:15 p.m.</td>
<td>Break</td>
</tr>
<tr>
<td>3:30 p.m.</td>
<td>Cognitive Rehabilitation                                               Larry Brooks, Ph.D., ABPP-CN</td>
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<tr>
<td>4:30 p.m.</td>
<td>Perspectives from a Post-Brain Injured Patient                         Danielle Diaz</td>
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<tr>
<td>5:00 p.m.</td>
<td>Adjourn</td>
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### SUNDAY, OCTOBER 16

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<tr>
<th>Time</th>
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<tr>
<td>7:30 a.m.</td>
<td>Registration and Breakfast</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>State-of-the-Art Acute Stroke Treatment: Endovascular Perspectives       Guillerme Dabus, M.D., FAHA</td>
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<tr>
<td>9:00 a.m.</td>
<td>Cognitive Changes Following Traumatic Brain Injury                      Pedro Sáez, Ph.D.</td>
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<tr>
<td>10:00 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>10:15 a.m.</td>
<td>Exoskeleton Robotics in Stroke Rehabilitation: Combining Clinical Application and Research Methods Karen J. Nolan, Ph.D.</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>Dysphagia Management in the Acute Care Setting                           Joe Zelenke, M.S., CCC-SLP</td>
</tr>
<tr>
<td>12:15 p.m.</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 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 7.5 AMA PRA Category 1 Credits™ for Saturday and 4.0 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 7.5 credit hours for the Saturday session (CE Broker Course #20-562800) and 4.0 credit hours for the Sunday session (CE Broker Course #20-562806).

This course has been approved for 13.5 continuing education credits from the Florida Physical Therapy Association. 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. (CE Broker Tracking #: 20-559058, FPTA Approval Number: CE16-27781)

This activity has been approved for 7.5 contact hours for Saturday (CE Broker Course #20-562800) and 4.0 hours for Sunday (CE Broker Course #20-562806) by the Florida State Board of Nursing, CE Broker Provider #50-182, Baptist Health South Florida.

This activity has been approved for 7.5 contact hours for Saturday (CE Broker Course #20-562800) and 4.0 hours for Sunday (CE Broker Course #20-562806) by the Florida Board of Clinical Social Workers, Marriage and Family Therapists and Mental Health Counselors, CE Broker Provider #50-182, Baptist Health South Florida.

This activity has been approved for 7.5 contact hours for Saturday (CE Broker Course #20-562800) and 4.0 hours for Sunday (CE Broker Course #20-562806) by the Florida State Board of Occupational Therapy, CE Broker Provider #50-182, Baptist Health South Florida.

This activity has been approved by the Florida Board of Pharmacy for 7.5 continuing education credits for pharmacists on Saturday (CE Broker Course #20-562800) and 4.0 continuing education credits for pharmacists on Sunday (CE Broker Course #20-562806), CE Broker Provider #50-182, Baptist Health South Florida.

This activity has been approved by the Florida Board of Athletic Training for 7.5 continuing education credits for ATCs on Saturday (CE Broker Course 20-562800) and 4.0 continuing education credits for Sunday (CE Broker Course 20-562806), CE Broker Provider #50-182, Baptist Health South Florida.

These activities have been approved for continuing education credits by the Florida Bureau of Radiation Control, Provider #3201106. (7 hours on Saturday, Course #19001109) and (4 hours on Sunday, Course #19001110).

This course is being offered for a total of 1.15 CEUs (Intermediate Level, Professional Area) American Speech-Language-Hearing Association (ASHA).

Speaker Disclosure Statements can be found at the following website:

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 Miami
1109 Brickell Ave., Miami, FL 33131

The JW Marriott 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 gracious service. Relaxation is as close as the luxurious spa and the unique stainless-steel pool. Nearby, The Shops at Mary Brickell Village offers an eclectic mix of upscale dining, shopping and entertainment options.

A limited number of guest rooms are available at the symposium rate of $189 per night, plus applicable taxes. This special rate is available until September 23, 2016. Make your reservation by calling 800-503-1434, and mention the special code BBHC to receive the discounted rate.

Parking

Parking is available at the hotel for a daily rate of $11 through the valet service. Overnight parking is $31 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 Monday, October 3, to be eligible for a refund less a $25 administrative fee. For additional hotel or course information, please call Judy Kaufman, P.T., Education Coordinator, Rehabilitation, Baptist Hospital of Miami, at 786-596-3349.
Registration Form

Registration deadline is Wednesday, October 12.

Registration fees:

- $400 Two-day course
- $275 Saturday only
- $150 Sunday only
- $250 Students and medical residents (two-day course)
- $200 Baptist Health employees (two-day course)

**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.
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