Twenty-first Annual
Brain Injury Symposium

Innovative Techniques and Technologies in Neurological Rehabilitation

Saturday-Sunday
October 17-18, 2015
JW Marriott Miami
Miami, Florida

Keynote speaker:
Gregory J. O’Shanick, M.D.
Adjunct Clinical Professor of Psychiatry and Behavioral Sciences
Keck School of Medicine
University of Southern California
President and Medical Director, Center for Neurorehabilitation Services
Richmond, Virginia
Medical Director Emeritus
Brain Injury Association of America
Vienna, Virginia

Co-sponsored with
Baptist Neuroscience Center

Presented by
Baptist Hospital
Rehabilitation Center
BAPTIST HEALTH SOUTH FLORIDA
Target Audience
- Neurologists
- Psychologists
- Psychiatrists
- 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
- 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:
- Cite foundational criteria needed to recommend neurorehabilitation after neurotrauma.
- List treatment methods that can be implemented to enhance readiness for neurorehabilitation.
- Implement neurophysiological interventions, including pharmacology, in preparation for neurorehabilitation.
- Describe the pathophysiology of agitation and fatigue.
- List factors contributing to post-traumatic agitation and fatigue. Initiate appropriate treatment plan.
- Explore the rationale and mechanisms of implementing yoga poses as an adjunctive treatment to conventional physical therapy for patients who have suffered neurological injuries.
- Explain the benefit of corrective postural alignment and movement control for patients with neurological injuries.
- Discuss criteria for appropriate referrals and identify candidates for whom yoga can be a beneficial adjunctive treatment.
- Describe the neuroanatomical and neuropsychological aspects of memory loss associated with traumatic brain injuries (TBI).
- Implement appropriate assessment methods in order to identify patients suffering from memory loss.
- Classify healthy cognitive aging and apply dementia protection strategies.
- Apply evidence-based clinical neurobiological criteria differentiating Alzheimer’s from other common dementias including vascular dementia, frontotemporal degeneration, Parkinson’s and dementia with Lewy Bodies.
- Identify appropriate patients who would benefit from brain retraining.
- Design treatment plans implementing the use of medical equipment to retrain brain injury patients to improve patient outcomes.
- Assess patients demonstrating vestibular dysfunction after a TBI, and implement an appropriate vestibular rehabilitation treatment plan to improve patient outcomes.
- Compare clinical indications for CT angiography and CT perfusion in the acute stroke patient.
- Accurately assess and diagnose patients with large vessel occlusion after an acute stroke.
- Assess the value and pitfalls of CT perfusion when treating acute stroke patients.
- Describe neuromuscular electrical stimulation (NMES) modalities for upper limb treatment of stroke patients.
- Distinguish between neuroprosthetic and neurotherapeutic purposes of NMES.
- List the benefits of contralateral controlled Functional Electrical Stimulator.
- List the benefits of repetitive motion using robotic technology, which assists with neuroplasticity.
- Identify new and emerging technologies for neurologically impaired patients and implement them as objective measuring tools.
- Determine when it is appropriate and safe to refer a stroke patient to community resources to assist with regaining independence and return to driving.

**Faculty**

**Kevin J. Abrams, M.D.**  
Chief of Radiology  
Baptist Hospital of Miami  
Medical Director, Neuroradiology and Magnetic Resonance Imaging  
Baptist Hospital Neuroscience Center  
Neuroradiologist, Baptist, Doctors, Homestead and South Miami Hospitals  
Clinical Associate Professor, Department of Radiology  
Florida International University  
Herbert Wertheim College of Medicine  
Miami, Florida

**Jayme S. Knutson, Ph.D.**  
Director of Research  
Department of Physical Medicine and Rehabilitation  
Case Western Reserve University  
Cleveland, Ohio

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

**Isabel B. Maestu, OTR/L**  
Occupational Therapist  
Baptist Outpatient Center  
Miami, Florida

**Gemayar et Alvar ez Gonzalez, M.D.**  
Assistant Professor of Physical Medicine & Rehabilitation  
Department of Physical Medicine & Rehabilitation  
University of Miami Miller School of Medicine  
Miami, Florida

**Gregory J. O'Shanick, M.D.**  
Adjunct Clinical Professor of Psychiatry and Behavioral Sciences  
Keck School of Medicine  
University of Southern California  
Richmond, Virginia  
Medical Director Emeritus  
Brain Injury Association of America  
Vienna, Virginia

**Bobbi Goldin**  
Founder/Director — Yoga Institute of Miami  
Miami, Florida

**Lida Rivera-Perez, P.T., C/NDT**  
Physical Therapist  
Baptist Hospital of Miami  
Miami, Florida

**David A. Racher, M.D.**  
Neurologist, Neuroscience Consultants  
Miami, Florida

**Avrielle Rylman Peltz, M.A., OTR/L**  
Senior Clinical Research Administrator, Robotics and Virtual Reality  
Co-founder and Chief Operating Officer of the Restorative Neurology Clinic  
White Plains, New York

**Steven M. Warner, Ph.D.**  
Psychologist  
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 and Hearing Association (ASHA) Speaker Disclosures Statements may be found at the following website: http://baptisthealth.net/en/Rehabilitation-Courses/Pages/brain-injury-symposium-disclosure.aspx.
# Agenda

## SATURDAY, OCTOBER 17

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:15 a.m.</td>
<td>Breakfast and Registration</td>
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<tr>
<td>8:00 a.m.</td>
<td>Welcome and Introductions</td>
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<tr>
<td></td>
<td>Bradley M. Aiken, M.D.</td>
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<tr>
<td>8:15 a.m.</td>
<td>Preparing NeuroTrauma Patients for Neurorehabilitation: Do We Need to Do More to Assure Successful Outcomes?</td>
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<td>Keynote Speaker, Gregory J. O’Shanick, M.D.</td>
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<tr>
<td>9:45 a.m.</td>
<td>Break and Exhibits</td>
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<tr>
<td>10:00 a.m.</td>
<td>Agitation and Fatigue After Traumatic Brain Injury in the Adult Patient</td>
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<td>Gemayaret Alvarez Gonzalez, M.D.</td>
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<tr>
<td>11:00 a.m.</td>
<td>Yoga as an Adjunctive Treatment for Brain Injury Rehabilitation</td>
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<td>Bobbi Goldin</td>
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<tr>
<td>12:00 noon</td>
<td>Lunch</td>
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<tr>
<td>1:00 p.m.</td>
<td>Amnestic Syndromes</td>
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<td>Richard A. Hamilton, Ph.D.</td>
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<tr>
<td>2:00 p.m.</td>
<td>Dementia Update: Clinical and Research Approaches to Diagnosis and Treatment of Dementia</td>
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<td></td>
<td>David Racher, M.D.</td>
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<tr>
<td>3:00 p.m.</td>
<td>Break and Exhibits</td>
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<tr>
<td>3:15 p.m.</td>
<td>Neurofeedback and Brain Injury Intervention</td>
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<td>Steven M. Warner, Ph.D.</td>
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<tr>
<td>4:15 p.m.</td>
<td>Assessment and Treatment of Vestibular Disorders After a Traumatic Brain Injury</td>
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<td>Lida Rivera-Perez, P.T., C/NDT</td>
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<tr>
<td>5:15 p.m.</td>
<td>Adjourn</td>
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## SUNDAY, OCTOBER 18

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<tr>
<td>7:15 a.m.</td>
<td>Registration and Breakfast</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Imaging in Acute Stroke — What Matters and Why It Matters</td>
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<td>Kevin J. Abrams, M.D.</td>
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<tr>
<td>9:00 a.m.</td>
<td>Neuromuscular Electrical Stimulation for Upper Limb Rehabilitation After Stroke (Part 1)</td>
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<td>Jayme S. Knutson, Ph.D.</td>
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<tr>
<td>9:45 a.m.</td>
<td>Break and Exhibits</td>
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<tr>
<td>10:00 a.m.</td>
<td>Neuromuscular Electrical Stimulation for Upper Limb Rehabilitation After Stroke (Part 2)</td>
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<td>Jayme S. Knutson, Ph.D.</td>
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<tr>
<td>10:45 a.m.</td>
<td>The Future Is Now: Robotics in Rehabilitation</td>
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<td>Avrielle Rylman Peltz, M.A., OTR/L</td>
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<tr>
<td>11:45 a.m.</td>
<td>Can I Drive After My Head Injury?</td>
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<td></td>
<td>Isabel B. Maestu, OTR/L</td>
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<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 #20-482753) and 4.0 credit hours for the Sunday session (CE Broker Course #20-507418).

This course has been approved for 13 continuing education credits from the Florida Physical Therapy Association, course approval CE15-25221, CE Broker Course #20-482753. 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 7.5 contact hours for Saturday (CE Broker Course #20-482753) and 4.0 hours for Sunday (CE Broker Course #20-507418) 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 #20-482753) and 4.0 hours for Sunday (CE Broker Course #20-507418) 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 #20-482753) and 4.0 hours for Sunday (CE Broker Course #20-507418) 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 #20-482753) and 4.0 continuing education credits for pharmacists on Sunday (CE Broker Course #20-507418), CE Broker Provider #50-182, Baptist Health South Florida.

This activity has been approved by the Florida Athletic Training Board for 7.5 continuing education credits for ATCs on Saturday (CE Broker 20-482753) and 4.0 continuing education credits for Sunday (CE Broker 20-507418), 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. (7.5 hours 10/17/15 Course #18001287) and (4.0 hours 10/18/15 Course #18001288).

This course is being offered for a total of 1.15 CEs. (Intermediate Level, Professional Area.)

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 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 $189 per night, plus applicable taxes. This special rate is available until September 25, 2015. Make your reservation by calling 800-503-1434, and mention the special code, BTHC, to receive the discounted rate.

Parking

Parking is available at the hotel for a daily rate of $9 through the valet service. Overnight parking is $29 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 9, 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 14.

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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