

**Curriculum Vitae**  
**University of Miami**  
**Miller School of Medicine**  
**October, 2008**

**I. PERSONAL:**

**Name:** Gillian A. Hotz, PhD

**Office Phone:** (305) 243-4004  
**Office Fax:** (305) 243-4006  
**Work Address:** LPLC- 1095 NW 14<sup>th</sup> Terrace #1-40  
Miami, FL 33136  
**E-Mail Address:** ghotz@med.miami.edu  
**Current Academic Rank:** Associate Research Professor  
Division of Trauma & Surgical Critical Care  
**Current Track:** Research Track  
**Primary Department:** Dewitt Daughtry Family Department of Surgery  
**Secondday Appointments:** Department of Neurological Surgery

**II. HIGHER EDUCATION:**

**INSTITUTIONAL:**

<u>Institution</u>	<u>Major</u>	<u>Dates Attended</u>	<u>Degree</u>
Boston University School of Medicine Boston, MA.	Behavioral Neuroscience	9/1989-5/1992	Ph.D.
Boston University Sargeant College Boston, MA.	Speech-Language Pathology	9/1983-5/1985	MSc.
University of Toronto York University Toronto, Canada.	Psychology	9/1979-5/1983	HBA

**CERTIFICATION AND LICENSURE:**

IMPACT CONCUSSION MANAGEMENT CERTIFICATION	2006- present
Snoezelen Controlled MultiSensory Intervention Course	1/2004
Human Subject Research Certification University of Miami School of Medicine	11/2005
Certificate Program in Managed Care and Capitation University of Miami School of Business Administration	9/1997

Board of Registration of Speech-Language Pathology,  
State of Florida 5/1992-present

Certification of Clinical Competency in Speech-  
Language Pathology, ASHA 6/1986

### III. EXPERIENCE:

#### Academic

<u>Institution</u>	<u>Rank</u>	<u>Dates</u>
University of Miami, Miller School of Medicine	Research Associate Professor Department of Surgery	3/2005-present
University of Miami School of Medicine	Research Assistant Professor Department of Surgery	3/2003-2005
University of Miami School of Medicine	Clinical Assistant Professor Department of Neurological Surgery	7/2000-3/2003
University of Miami School of Medicine	Clinical Assistant Professor Department of Neurology	9/1992-7/2000

#### Hospital Appointments

<u>Position</u>	<u>Institution</u>	<u>Dates</u>
Co-Director	Pediatric Brain & SCI Program UM/JMMC	6/2001- present
Director	Neurotrauma Outcome Research Division of Trauma & Surgical Critical Care UM/JMMC	2/2002- present
Director	Snoezelen/MSE Program	1/2004-present
Director	WalkSafe Program	1/2002-present
Director	Concussion Program	1998-present
Assistant Director	Division of Neurorehabilitation UM/JMMC	6/1998-12/2002
Program & Research Coordinator	Division of Neurorehabilitation Department of Neurology UM/JMMC	6/1993-5/1998
Research Coordinator Post-Doctoral Fellow	Jackson Memorial Hospital/ University of Miami School of Medicine, Miami, FL.	6/1992-5/1993



**Hotz, G.A.** & Helm-estabrooks, N. Perseveration in Closed Head Injury. Brain Injury. 1995: 9(2):161-172.

Frost, R.D., Gillenson, M.L., **Hotz, G.**, Nedd, K.J., & Parris, R.K. An expert database technique applied to an aphasia classification system. Aphasiology. 1994; 8(1): 55-63.

Moulton, R., Tucker, W., Sullivan, I., Gutman, M., **Hotz, G.** Development of an audit tool for preventable death from head injury. Annals of the Royal College of Physicians and Surgeons. 1992:25(4):188-193.

Shedden, P.M., Moulton, R., Sullivan, I., **Hotz, G.**, Tucker, W., & Muller, P. Effect of population characteristics on Head Injury mortality. Journal of Pediatric Neuroscience. 1990-91; 16:203-207.

Moulton, R., **Hotz, G.**, and Tucker, W. The impact of delayed transfer on mortality in head injury. Annals of the Royal College of Physicians and Surgeons. 1991: 24: 4: 197-200.

Gutman, M.B., Moulton, R., Sullivan, I., **Hotz, G.**, Tucker, W., Muller, P. Risk factors predicting operable intracranial hematomas in head injury. Journal of Neurosurgery. 1992:77(1):9-14.

Gutman, M., Moulton, R.J., Sullivan, I., Brown, T., **Hotz, G.**, & Tucker, W. Relative incidence of intracranial mass lesions and severe torso injury following accidental injury: Implications for triage and management. Journal of Trauma. 1991: 31(7): 974-977.

Helm-Estabrooks, N. and **Hotz, G.** The Brief Test of Head Injury, The Riverside Publishing Company. 1990.

### **BOOK CHAPTERS**

Mellman T, **Hotz, G.A.** Psychological and Behavioral Complications of Trauma. In Cohn. S. Complications in Surgery and Trauma. New York: Marcel Dekker, Inc. 2006.

Augenstein, J.A., **Hotz, G.A.**, Nedd, K.J., Digges, K.H. et al. Assessment of Mild Traumatic Brain Injury: A Systematic Trauma Center Approach. In Bandak FA, Eppinger RH, Ommaya, Ak eds. Traumatic brain injury, bioscience and mechanics. New York: Mary Ann Liebert, Inc. 1996: 125-137.

### **ABSTRACTS**

Moulton, R.J., **Hotz, G.**, Sullivan, I., Muller, P.J., & Tucker, W. Head injury in the Elderly. Canadian Journal of Neurological Sciences. 1991: 18:212.

Gutman, M.B., Moulton, R.J., **Hotz, G.**, Tucker W.S., & Muller, P.J. Risk factors for prediction of surgical intracranial mass lesions following head injury. Canadian Journal of Neurological Sciences. 1990: 17(2): 230.

Moulton, R.J., Tucker, W.S., Sullivan, I., Gutman, M., & **Hotz, G.** Development of a screening tool for preventable death from head injury. Journal of Trauma. 1990, 30(8), 1056.

Moulton, R.J., **Hotz, G.**, & Tucker, W. Impact of delayed transfer on mortality from head injury. Journal of Trauma. 1989:29 (9): 1302.

Moulton, R, J., **Hotz, G.**, Tucker, W., Muller, P., & Hudson, A. The influence of patient demographics on head injury mortality. The Canadian Journal of Neurological Sciences. 1989: 16(2): 279.

## **PRESENTATIONS**

**Hotz, G.** Importance and Efficacy of Evidence Based Practice of MSE, International Snoezelen Association, 2008, Oct 2-5<sup>th</sup>, Neuwied, Germany.

**Hotz, G.** WalkSafe Statewide Program. Florida Committee On Trauma Meeting. July 9<sup>th</sup>, Orlando, FL. 2008.

**Hotz, G.** Randomized Controlled Trials in Rehabilitation. UC Neurotrauma Meeting, June 23-25<sup>th</sup>, Carmel, CA. 2008

**Hotz, G.** WalkSafe Update. Florida Safekids Annual Meeting. May 21<sup>st</sup>, Tampa, FL. 2008

**Hotz, G.** WalkSafe: A Pediatric Pedestrian Injury Prevention Program. 2007 Forging New Frontiers: Sustaining Innovations for Healthy Communities. Injury Free Coalition for Kids. Nov. 30<sup>th</sup>-Dec. 2<sup>nd</sup>, Ft. Lauderdale, FL, 2007

**Hotz, G.** Pediatric TBI:Early Intervention and Continuum of Care. AANS/CNS Pediatric Neurological Surgery Annual Meeting, Nov. 26-Dec.1, Miami, FL, 2007

**Hotz, G.,** Helm-Estabrooks, N., Nelson, N., Plante, E. Pediatric Traumatic Brain Injury: Neurocognitive and Language Assessment. American Speech Language and Hearing Association. Nov. 15-18, Boston, MA, 2007

**Hotz, G.** WalkSafe: Statewide Implementation of a pediatric pedestrian injury prevention program. 1st National Safe Routes to School Conference. Nov.5-7, Dearborn, Michigan, 2007

**Hotz, G.** Importance of Early Neurocognitive Assessment. Pediatric Brain & SCI Conference, Nov. 2-4, Coconut Grove, FL, 2007

**Hotz, G.** Efficacy of MSE with a Snoezelen Approach. 5<sup>th</sup> International Snoezelen Association Conference . Sept. 20-21<sup>st</sup>, Montreal, Canada, 2007

**Hotz, G.** WalkSafe: Countywide Program. Pro Bike Pro Walk Florida, August 27-31<sup>st</sup>, Orlando, FL, 2007

**Hotz, G.** Early Neurocognitive Assessment and Outcome. Pediatric Brain & SCI Conference. Nov.2-4, Miami, FL., 2006

**Hotz, G.** WalkSafe: A county-wide pedestrian injury prevention program. FDOT, St. Augustine, FL, April , 2006.

**Hotz, G.** Assessment & Treatment of Low Level Patients. Patricia Neal Rehab Center. Knoxville, TN, March, 2006,

**Hotz, G.** A Novel treatment for low level patients. Pediatric Brain Injury Conference. Miami, FL, November, 2005

**Hotz, G.** Neuroplasticity in children recovering from severe brain injury. Come to Your Senses Conference. Toronto, Canada, October, 2005.

**Hotz, G.** A room for brain injury. WorldWideSnoezelen Conference. Holland, October, 2005.

**Hotz, G.** Snoezelen: A novel treatment for children with severe brain injury. Childrens Specialized Hospital. New Jersey, December, 2004.

**Hotz, G.** Measuring Outcomes in Children with Traumatic Brain Injury. Pan American Trauma Society, XVII Congress. November, 2004, Miami, FL.

**Hotz, G.** The Effect of Snoezelen Therapy in children with severe TBI. Pediatric Traumatic and Acquired Brain Injury: The Continuum of Care. Miami, FL. October, 2004.

**Hotz, G.** WalkSafe: Findings of a 3 year study. SafeKids State Meeting. Tampa, FL, August, 2004.

**Hotz, G.** Snoezelen: A controlled multisensory stimulation therapy for children with traumatic brain injuries. The First International Conference in Israel on Snoezelen, Herzeliya, Israel, May 2004.

**Hotz, G.** Neurorehabilitation: The Program, Team and Outcomes. Pediatric Neurotrauma: The Aftermath of the Injury. Miami, FL, October 2003.

**Hotz, G.** Assessing the Neurocognitive Effects of TBI in Children. Brain Injury Association of Florida, Annual Professional Workshop, Palm Beach, FL. April 2002.

**Hotz, G.** The Development of the Pediatric Test of Brain Injury. Brain Injury Association, 20<sup>th</sup> Annual Symposium, Atlanta, July 2001.

**Hotz, G.,** Calvin, R. A Traumatic Brain Injury and SCI Point-of-Care, Team-based Information System. Brain Injury Association, 19<sup>th</sup> Annual Symposium. Chicago, July, 2000.

Kelly, J., Rosenberg, J., **Hotz, G.A.** Concussion in Sports: A Dissemination Program. Annual Academy of Neurology 51<sup>st</sup> Meeting. Toronto, Canada, April, 1999.

**Hotz, G.,** Rosenberg, J., Kelly, J., Potts, A., Brooks, J: A Dissemination Strategy for Sports related concussions in High School Athletes: A pilot curriculum. 1998. Sports: related concussion and nervous system injuries. Orlando Regional Healthcare System. Orlando, Florida, March, 1998.

**Hotz, G.** Functional outcomes after traumatic brain injury. Florida State Association of Rehabilitation Nurses. Haines City, Florida, May, 1997.

**Hotz, G.** Concussion in Sports: Post-concussive symptoms. University of Miami/ Healthsouth Doctors Hospital. Miami, Florida., March, 1997.

Augenstein, J., **Hotz, G.**, Nedd, K. et al. A systematic Approach to Mild Traumatic Brain Injury in a Trauma Center. Head Injury 1994, International Symposium on Head Injury Research. Department of Transportation and George Washington University, Washington, DC. October, 1994.

**Hotz, G.** Early Rehabilitation Intervention. Highlights in TBI Management. University of Miami/Healthsouth. Miami, Florida, November, 1993.

**Hotz, G.** Neuropathology Review and the Role of the Speech Language Pathologist. New Jersey Speech Language and Hearing Association. Atlantic City, New Jersey, April, 1993.

**Hotz, G.** Neuropathology Review and the Management of Acute Traumatic Brain Injury. A post-graduate course. Cape Cod Institute for Communication Disorders. June, 1992.

**Hotz, G.** The Brief Test of Head Injury, Validity and Reliability. The 6th National Traumatic Brain Injury Symposium, MIEMSS, Baltimore, March, 1991.

Helm-Estabrooks, N and **Hotz, G.** Comparing Different Measures of Severe Head Injury; Do They Agree? The International Brain Injury Symposium, New Orleans, March, 1991.

**Hotz, G.** Brief Test of Head Injury. Head Injury Symposium Multidisciplinary Issues in patient care, University of Toronto, Toronto, April, 1990.

Moulton, R, J., **Hotz, G.**, Brown, T., & Tucker, W. Development of a screening tool for the identification of potentially preventable deaths from head injury. Society of University Neurosurgeons, Toronto, May, 1989.

**Hotz, G.** The Bedside Assessment of Severe Head Injury: A New Screening Test. The 5th National Brain Injury Symposium, MIEMSS, Baltimore, March, 1989.

Moulton, R.J. and **Hotz, G.** The Impact of Patient and Injury Characteristics on Head Injury Mortality. The 5th National Brain Injury Symposium. MIEMSS, Baltimore, March, 1989.

Moulton, R.J. and **Hotz, G.** Demographic and Etiologic Factors in Traumatic Brain Injury: Implication for Prevention Strategies. The 5th National traumatic Brain Injury Symposium, Baltimore, March, 1989.

**Hotz, G.** and Moulton, R.J. Acute Interdisciplinary Head Injury Team. The 4th National Traumatic Brain Injury Symposium, MIEMSS, Baltimore, March, 1988.

**Hotz, G.** and Moulton, R.J. Length of hospital stay in severely head injured patients. The 4th National Traumatic Brain Injury Symposium, Baltimore, March, 1988.

## **V. PROFESSIONAL:**

### **Funded Research Performed:**

<u>Grant Title</u>	<u>Amount</u>
The Childrens Trust: Prevention Grant	
P.I. Dr. Gillian Hotz, (10%)	8/1/08-7/31/09
	\$75,000

EMS: Statewide Implementation of Walk Safe P.I. Dr. Gillian Hotz (15%)	7/1/08-6/30/09	\$140,000
NIDRR: Investigating the Effects of Snoezelen in Children Recovering from Severe Brain Injury P.I. : Dr. Gillian Hotz (20%)	10/1/07-9/30/10	\$600,000
The Childrens Trust: Miami-Dade County Child and Youth Safety Initiative Community Partnership P.I. : Dr. Gillian Hotz, (5%)	7/1/07-6/30/08	\$189,120
EMS: Statewide Implementation of Walk Safe P.I.: Dr. Gillian Hotz, (20%)	7/1/07-6/30/08	\$240,000
FDOT: Safe Routes to School WalkSafe: Non-Infrastructure P.I. : Dr. Gillian Hotz (20% effort)	7/1/07-6/30/09	\$275,000
FDOT: Transportation Enhancement WalkSafe: County-wide P.I. : Dr. Gillian Hotz (20% effort)	7/1/07- 6/30/10	\$350,000
The Childrens Trust WalkSafe: Evaluating A High Risk District P .I. : Dr. G. Hotz (30% effort)	9/1/06-8/30/06	\$205,000
National Institute of Health: NINDS Neurobehavioral Outcome in children with brain injury PI. Dr. Harvey Levin (Baylor) PI: Miami Site: Dr. G. Hotz (15% effort)	5/31/04-4/30/09	\$440,945
The Childrens Trust WalkSafe: A countywide pedestrian injury prevention Program P.I. : Dr. G. Hotz (30% effort)	9/1/05-8/30/06	\$91,266
Florida Brain and Spinal Cord Injury Program Snoezelen: Effects of Snoezelen in children recovering from severe TBI PI: Dr. G. Hotz (15% effort)	7/04-6/05	\$35,000
Florida Brain and Spinal Cord Injury Program Snoezelen: A controlled multisensory stimulation therapy PI: Dr. G. Hotz (7% effort)	7/03-6/04	30,000



Florida Department of Transportation Grant. Pediatric Pedestrian Injury Study Co-PI: Dr. G. Hotz & Dr. S.Cohn (50%effort)	10/03-10/04	136,000
Florida Department of Transportation Grant. Pediatric Pedestrian Injury Study Co-P.I.:Dr. G. Hotz & Dr. S. Cohn (50%effort)	10/02-10/03	186,000
Alsius Corporation CoolGuard study Study Coordinator : Dr. G. Hotz P.I. Dr. S. Olvey (20%effort)	6/01-6/02	25,000
Florida Department of Transportation Grant. Pediatric Pedestrian Trauma Study Pilot Project (PS-02-08-07) Study Coordinator : Dr. G. Hotz P.I. Dr. S. Cohn (40%effort)	10/01-9/02	44,300

### **Programs and Tests Developed**

	YEAR
KIDS NEUROSCIENCE PROJECT (HOTZ, G., KULUZ, J., RAGHEB, J)	2006
PEDIATRIC BRAIN & SCI PROGRAM WEBSITE <a href="http://WWW.PEDIBRAIN.ORG">WWW.PEDIBRAIN.ORG</a>	2005
SNOEZELEN/ MSE PROGRAM (HOTZ, G & KULUZ, J)	2003
WALKSAFE PROGRAM (HOTZ, G)	2002
PEDI REHAB CLINIC (HOTZ, G & KULUZ, J)	2002
THE PEDIATRIC TEST OF BRAIN INJURY (PTBI) (HOTZ, G., HELM-ESTABROOKS, N., NELSON, N., PLANTE, E)	2002
PEDI NEUROTRAUMA PROGRAM (HOTZ, G & KULUZ, J)	2001
CONCUSSION PROGRAM (HOTZ, G, NEDD, K, RUBIN, B)	1998
THE BRIEF TEST OF HEAD INJURY (BTHI) (HELM-ESTABROOKS, N & HOTZ, G)	1991

## **V. PROFESSIONAL and HONARARY ORGANIZATIONS**

American Association of Multi Sensory Environments	2007-present
IMPACT: Concussion Management Program	2005-present
State of Florida Injury Prevention Advisory Council Florida Department of Health	3/2005-present
Pediatric Committee. Brain and Spinal Cord Injury Program. Florida Department of Health.	6/2002-present
Assistant Professor of Neurological Surgery, Division of Neurotrauma, Department of Neurological Surgery, University Of Miami School of Medicine, Miami, FL.	6/2001-present
Assistant Professor of Clinical Neurology, Division of Neurologic Rehabilitation, Department of Neurology, University of Miami School of Medicine, Miami, FL.	6/1994-5/2001
International Study of Head Injury at Pediatric Age (I.S.H.I.P). U.S. site, Co-investigator	1/1999-present
Co-Chair of the Concussion In Sports Dissemination Program. American Academy of Neurology	3/1997-present
Child and Adolescent Traumatic Brain Injury Task Force: Aspen Group	3/1997-3/1999
Instructor, Nova University, LaBonte Institute for Hearing, Language and Speech, Ft.Lauderdale, FL.	6/1992-5/1994
Member of a Task Force for Rehabilitation Services for Traumatic Brain Injury, Health and Welfare Canada	1/1990-12/1993
Lecturer, Graduate Department of Speech Pathology Faculty of Medicine, University of Toronto, Canada.	9/1989-8/1992
Director of the Head Injury Team, St. Michael's Hospital, Toronto, Canada.	9/1986-8/1989
Member of the Board of Directors of Ashby House Toronto, Canada.	1/1986-12/1989

## **VII. PROFESSIONAL ORGANIZATIONS**

American Association of Multi Sensory Environments	2006-present
Florida Injury Prevention Advisory Council	2005-present
M-D County Community Traffic Safety Team	2005-present
Florida Committee on Trauma	2002-present
International Brain Injury Association	1992-present
American Society of Neurorehabilitation	1992-present

International Neurotrauma Society	1996-present
The American Psychological Association	1992-present
The American Speech Language Hearing Association	1986-present
The Florida Brain Injury Association	1992-present

### **VIII. TEACHING**

Preceptor Stempel School of Public Health. Florida International University 2007-present  
Responsible for various lectures, inservices and rounds for trauma, neurosurgery and pediatric nurses, residents, fellows, PA's, ARNP's, allied health care professionals.  
Training for WalkSafe Program yearly at UM/JMMC/UMH